"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BEDNAR, Blahoslav; BRAUN, Alexandr; HERMANSKY, Frantisek; STEJSKAL, Josef; TRAPL, Jiri.

Atypical reticuloses. Acta Univ. Carol. [med.] (Praha) 9 no.2: 101-104 '63

1. I. patologickoanatomicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: prof. MUDr. B.Bednar); Laborator pro patofysiologii krvetvorne soustavy a jater fakulty vseobecneho lekarstvi University Karlovy v Praze (vedouci: prof. MUDr. V.Honig) a II. dermatovenerologicka klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: prof. MUDr.J.Obrtel).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, Alexandr; MALY, Vladimir

Relation of arteriosclerosis to central atherosclerosis. Acta Univ. Carol. [med.] (Praha) 9 no.7:587-596 '63

1. I. patologickoanatomicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: prof. MUDR. B. Rednar, DrSc) a Ustav pro prganisaci zdravotnictvi, fakulty vseobecneho larkstvi University Karlovy v Praze (prednosta: prof. MUDr, V.Prosek, DrSc.).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

CHRZASZEWSKA, A.; BRAUN, A.

New analcge of lucigenin. Pt. 2. Acta chim 9:189-198 '64.

1. Department of General Chemistry of the Lodz University.
Presented Nov.1962.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, Aleksander

Some data on the pathologic anatomy of porphyria. Acta Univ. Carol. [med.] (Praha) 10 no.3:173-209 '64.

1. I patologicko-anatomicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta prof. MUDr. B. Bednar, DrSc).

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

L 05308-67

ACC NR: AP7000214 (N) SOURCE CODE: PO/0099/66/040/002/0247/0255

BRAUN, A., DORABIALSKA, A. and REIMSCHUSSEL, W., of the Department of General Chemistry, University (Katedra Chemii Ogolnej Uniwersytetu), Lodz; Department of Physical Chemistry, Technical University (Katedra Chemii Fizycznej Politechniki), Lodz.

"Chemiluminescence of Lucigenin and its Four Analogues"

Warsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 247 - 255

Abstract (Authors' English Abstract modified): The rate of the chemiluminescence decay during the reation of lucigenin and its four substitution derivatives $-H_2O_2$-NaOH was investigated. It was concluded that the substitution of methyl by phenyl increases the intensity of chemiluminescence oxidation rate.

The authors thank Professor-Doctor A. Chrzaszczevska for initiating the synthesis of the unknown analogue eucigenines. Further thanks goes to Professor W. Kirkor for permission to jointly work at the Department in the area of chemiluminescence. Orig. art. has: 4 figures, 1 formula and 2 tables. /JPRS: 36,002/

TOPIC TAGS: chemiluminescence, nonmetallic organic derivatives

SUB CODE: 07 / SUBM DATE: 30Mar65 / ORIG REF: 005 / SOV REF: 002
OTH REF: 010

Card 1/1 KH

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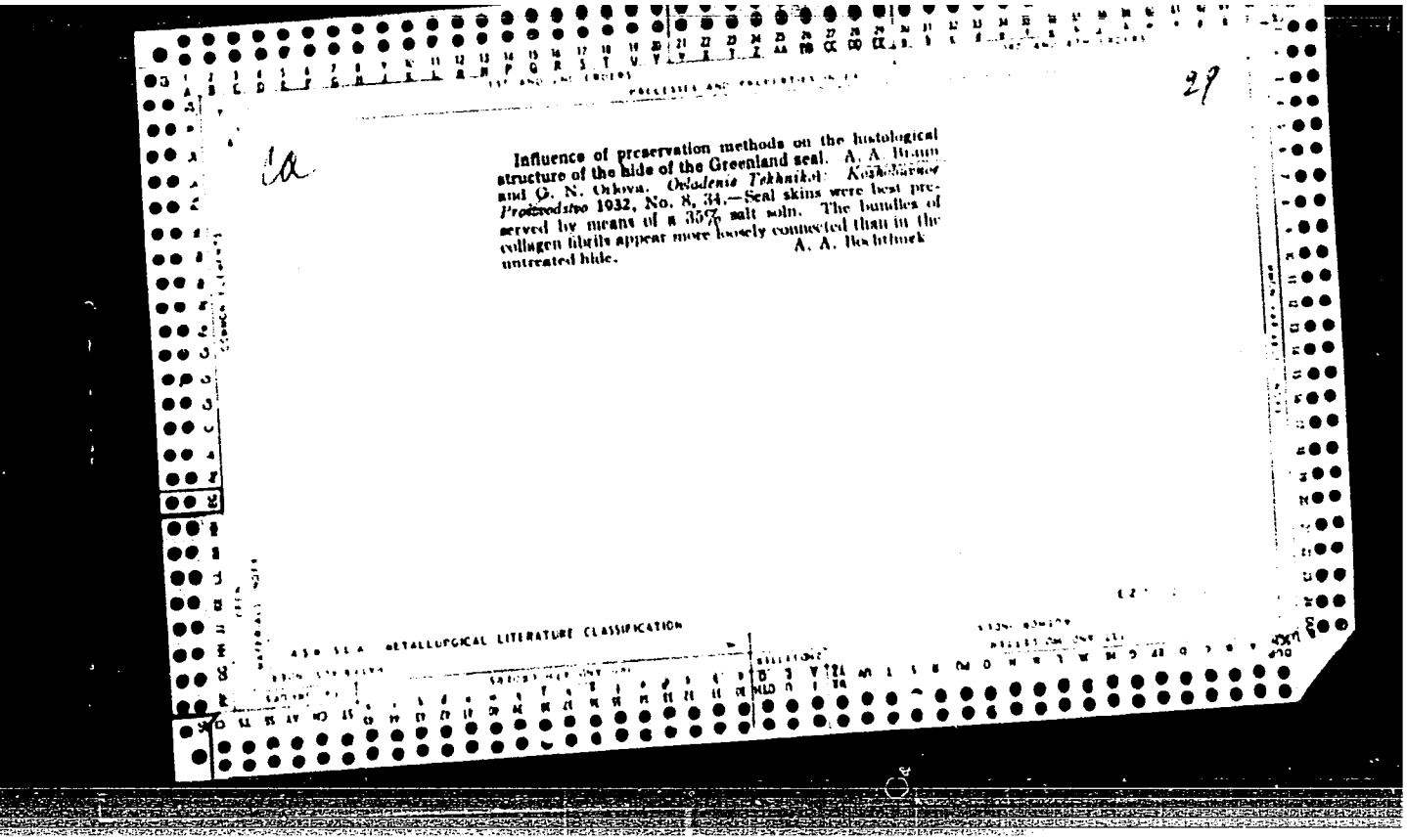

Influence of preservation methods on the histological structure of the hide of the Greenland seal. A. A. Braun and G. N. Orlova. *Oblastnia Tekhnika* Kozhevennoi *Promyshlennosti* 1932, No. 8, 34.—Seal skins were heat preserved by means of a 35% salt soln. The bundles of collagen fibrils appear more loosely connected than in the untreated hide.

A. A. Bashilnek

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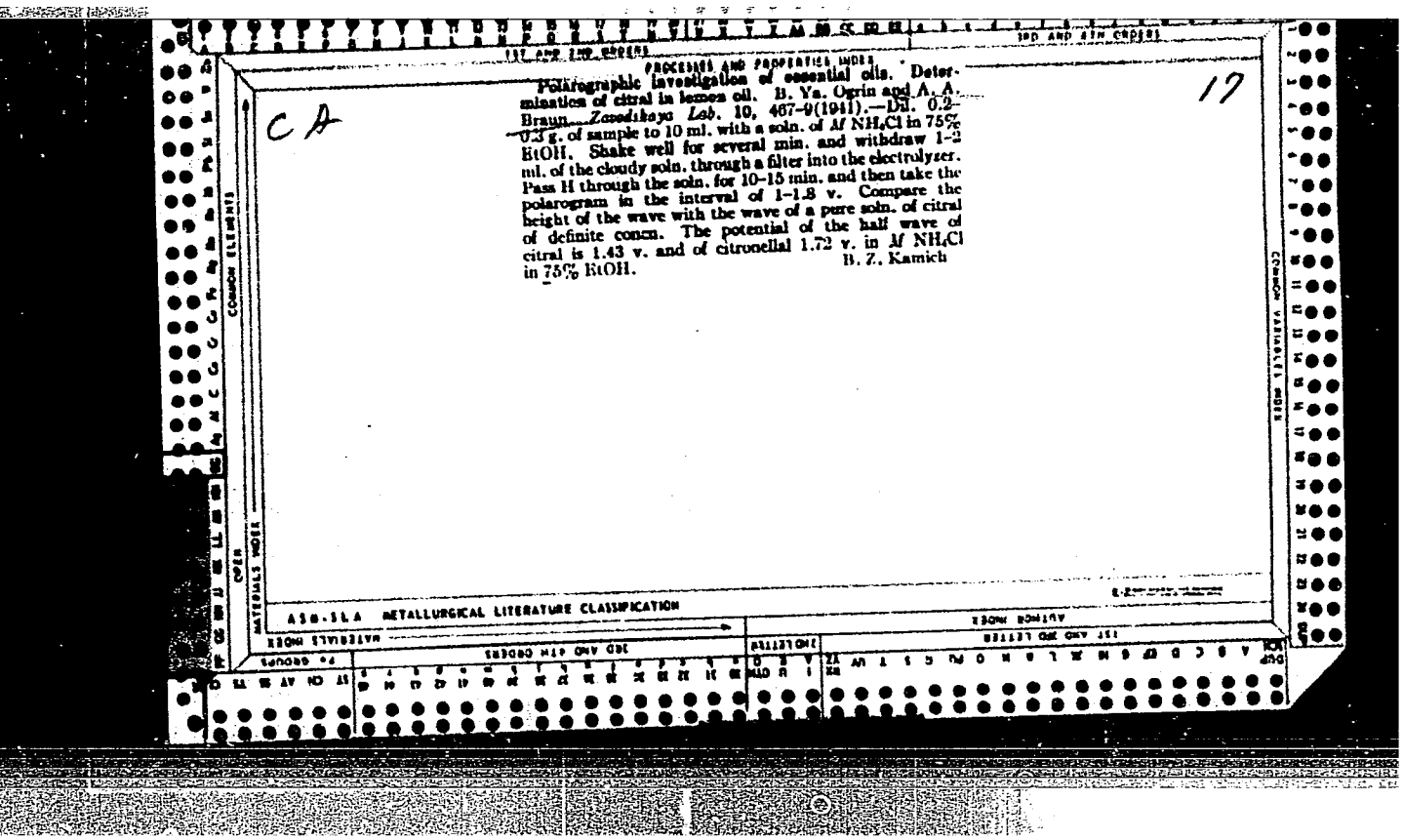

CA

17

PROCESSES AND PROPERTIES INDEX

Polarographic investigation of essential oils. Determinations of citral in lemon oil. B. Ya. Ogrin and A. A. Braun. *Zavodskaya Lab.* 10, 467–9(1941).—Dil. 0.2–0.3 g. of sample to 10 ml. with a soln. of *M* NH_4Cl in 75% EtOH. Shake well for several min. and withdraw 1–2 ml. of the cloudy soln. through a filter into the electrolyzer. Pass H through the soln. for 10–15 min. and then take the polarogram in the interval of 1–1.8 v. Compare the height of the wave with the wave of a pure soln. of citral of definite concn. The potential of the half wave of citral is 1.43 v. and of citronellal 1.72 v. in *M* NH_4Cl in 75% EtOH.

B. Z. Kamich

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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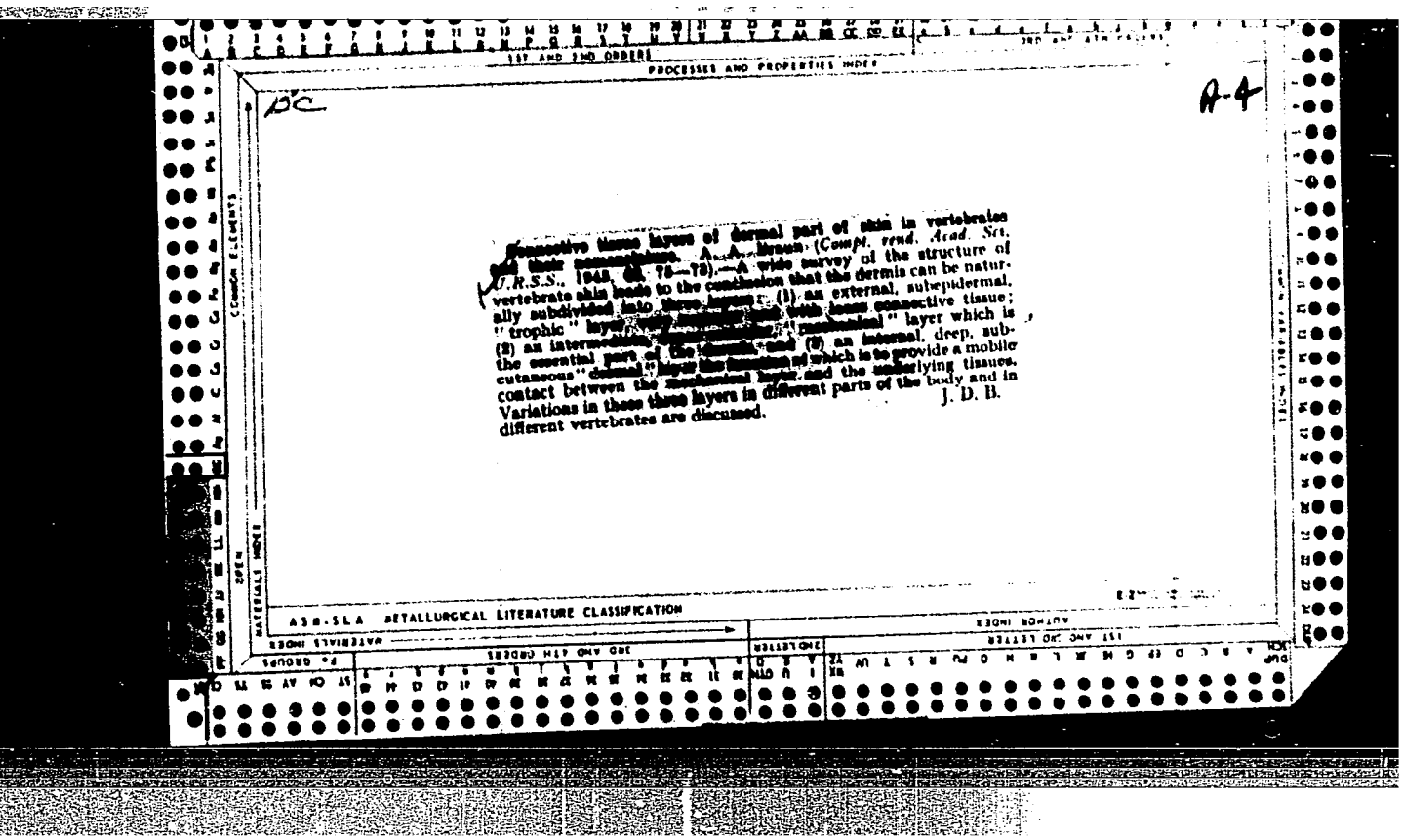

Connective tissue layers of dermal part of skin in vertebrates and their nomenclature. A. A. Braun. (*Compt. rend. Acad. Sci. U.R.S.S.*, 1948, **60**, 73—75).—A wide survey of the structure of vertebrate skin leads to the conclusion that the dermis can be naturally subdivided into three layers: (1) an external, subepidermal, "trophic" layer, [illegible] with loose connective tissue; (2) an intermediate, [illegible] "mechanical" layer which is the essential part of the dermis, and (3) an internal, deep, subcutaneous "dermal" layer the function of which is to provide a mobile contact between the mechanical layer and the underlying tissues. Variations in these three layers in different parts of the body and in different vertebrates are discussed. J. D. B.

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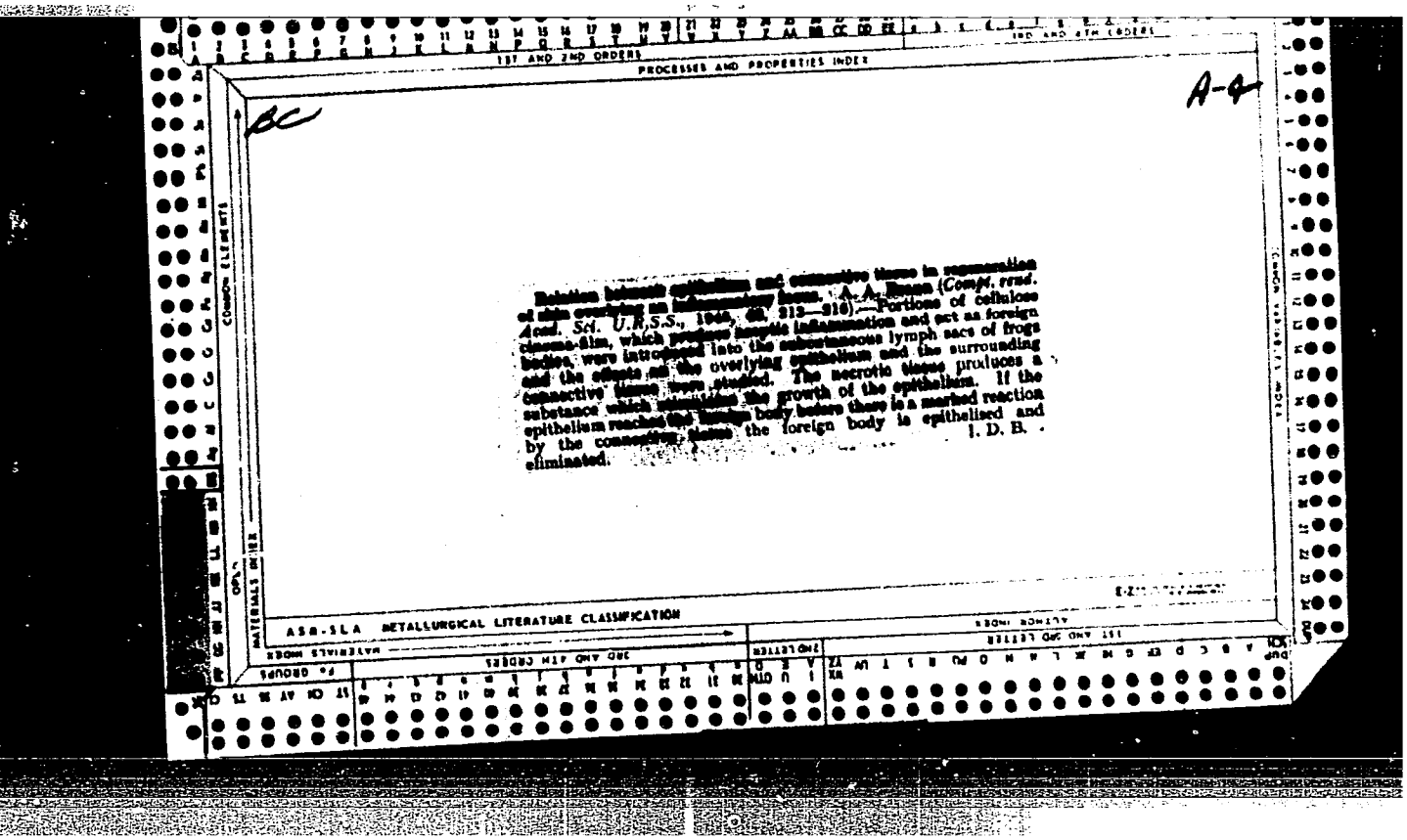

Relation between epithelium and connective tissue in regeneration of skin covering an inflammatory focus. A. A. Braun (*Compt. rend. Acad. Sci. U.R.S.S.*, 1946, **52**, 213—216).—Portions of cellulose cinema-film, which produce aseptic inflammation and act as foreign bodies, were introduced into the subcutaneous lymph sacs of frogs and the effects on the overlying epithelium and the surrounding connective tissue were studied. The necrotic tissue produces a substance which stimulates the growth of the epithelium. If the epithelium reaches the foreign body before there is a marked reaction by the connective tissue the foreign body is epithelised and eliminated. I. D. B.

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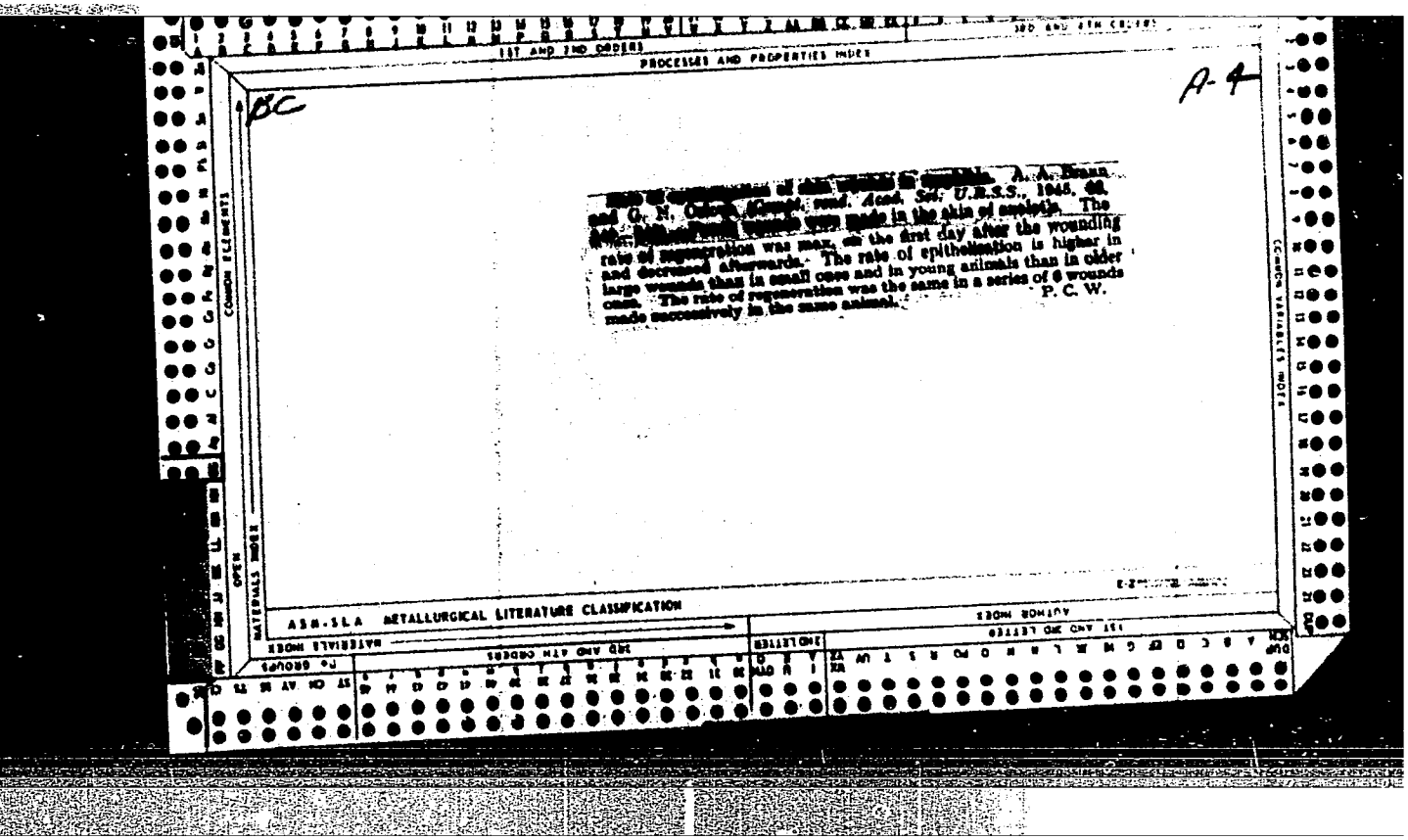

[redacted] A. A. Imass, and G. N. Oster, *Compt. rend. Acad. Sci. U.R.S.S.*, 1945, 48. [redacted] wounds were made in the skin of rabbits. The rate of regeneration was max. on the first day after the wounding and decreased afterwards. The rate of epithelization is higher in large wounds than in small ones and in young animals than in older ones. The rate of regeneration was the same in a series of 6 wounds made successively in the same animal. P. C. W.

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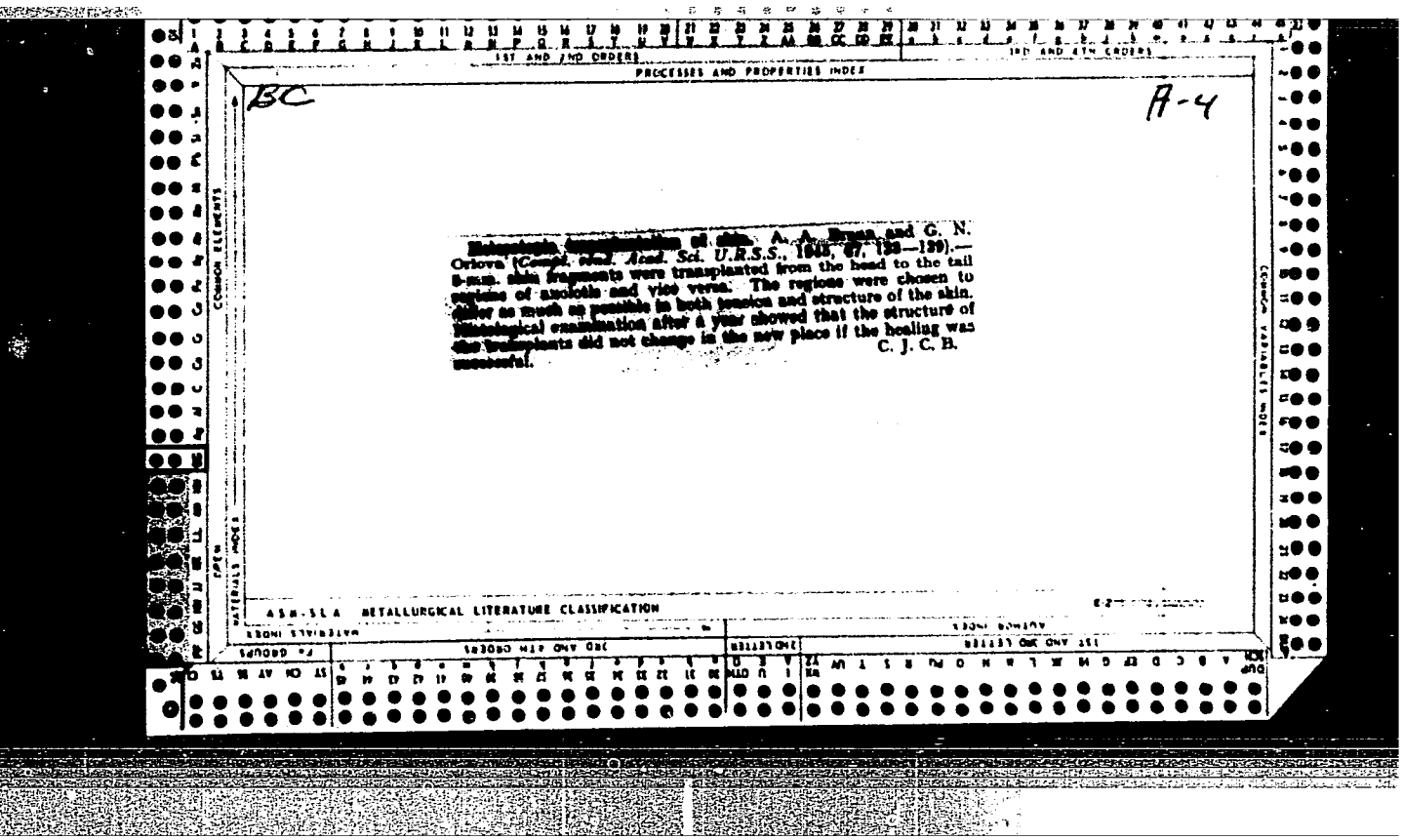

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A. A.

176T67

USSR/Medicine - X-Rays, Effects 1 Aug 50
Wounds, Healing

"Effect of Preliminary Roentgenization on the Regeneration of the Epidermis of the Skin of Rabbits," A. A. Braun, G. N. Orlova, Inst Exptl Med, Acad Med Sci USSR

"Dok Ak Nauk SSSR" Vol LXXIII, No 4, 849-852

Studies histological aspects of healing of open wound on ear of rabbit, made day after local irradiation of ear by roentgen rays in dose of 4,000 roentgens, th erythemic dose being 600 roentgens. Finds regeneration of normal structure of the epidermis is produced at expense of its own pathologically changed cellular elements. Prints of 2 microphotographs.

176T67

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A. A.

Chemical Abstracts
May 25, 1954
Biological Chemistry

(3)

Effect of ultraviolet irradiation on epidermis under conditions of local anesthesia. A. A. Braun and I. F. Prizhivolt (Kirghiz State Med. Inst.). *Doklady Akad. Nauk S.S.S.R.* 92, 835–8(1953).—Expts. with rabbits injected with novocaine prior to strong ultraviolet irradiation, showed that the disturbance of the action of the nervous systems at the local sites raises the sensitivity of the affected area to external effects such as ultraviolet light. G. M. Kosolapoff

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A.; PRIZHIVOYT, I.F.

Mechanism of the protective effect of novocaine in ultraviolet irradiation of the skin. Biul. eksp. biol. i med. 38 no.9:73-76 S '54. (MLRA 7:12)

1. Iz kafedry gistologii (zav. prof. A.A.Braun) Kirgizskogo meditsinskogo instituta, Frunze.

(SKIN, effect of radiations on,
ultraviolet rays, protective eff. of procaine)
(ULTRAVIOLET RAYS, effects,
on skin, protective eff. of procaine)
(PROCAINE, effects,
protective, on ultraviolet rays irradiated skin)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A. A.

USSR/Experimental morphology

Card 1/1

Authors : Braun, A. A. and Krylenkov, K. M.

Title : Effect of preliminary X-raying the recipient in the homoplasty of rats' skins.

Periodical : Dokl. AN SSSR, 95, 6, 1351 - 1354, 21 Apr 54

Abstract : Experiments were performed on white rats in a laboratory to ascertain the causes of failure in skin homoplasty, since even those transplantings which seemed successful at the beginning fell off after 2 or 3 months. The authors believe that one of the main causes of failure lies in biological negativism towards heme-transplants by the recipient. Because the X-ray treatments of tissues exert retarding effect on the activity of the latter, the authors suggested exposing the recipients to X-rays before the homoplastic operation, which method proved to be quite successful. Microscopic pictures are included.

Institution : Kirgiz State Med. Inst.

Submitted : 6 Feb 54

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

Braun, A. A

USSR/Medicine - Physiology

Card 1/1 Pub. 22 - 57/59

Authors : Braun, A. A., and Prizhivoyt, I. F.

Title : Effect of ultraviolet radiation on the epidermis during irritation of the nerve lines

Periodical : Dok. AN SSSR 102/2, 405-408, May 11, 1955

Abstract : Experiments were conducted on rabbits and dogs to determine the effect of ultraviolet radiation on the epidermis during the irritation of the nerve lines. Results are described. Three USSR references (1951-1953). Tables.

Institution : Kirghiz State Med. Inst., Frunze

Presented by: Academician A. I. Abrikosov, February 5, 1955

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

USSR/Pharmacology and Toxicology - Antiinflammatory Agents. V-8

Abs Jour : Ref Zhru - Biol., No 14, 1958, 66417

Author : Aydaraliyev, A.A., Braun. A.A.

Inst : Kirghiz State Medical Institute.

Title : The Effect of Plantago major on the Epidermis and on Wound Healing in an Experiment.

Orig Pub : Tr. Kirg. gos. med. in-t, 1956, 8, 67-71.

Abstract : In 28 rabbits perforating wounds were created in the auricular conchae by means of a puncher. A study was made of the effect of an extract from the dried leaves of Plantago major on wound healing. Its stimulating effect on regeneration of the epidermis and the tissues of the skin was determined. An ointment prepared from this extract and lanolin had a much weaker effect. A decoction gave a very weak effect. -- A.G. Brusilovskaya

Card 1/1

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

USSR / General Problems of Pathology. Inflammatory Processes. U

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 46677

Author : Braun, A. A.; Magazanik, G. L.
Inst : Not given
Title : Chemical Components in the Mechanism of Paraffin Applications Effecting the Healing of Skin Wounds in Experiments.

Orig Pub : Vopr. kurortol., fizioterapii i lechebn. fiz. kul'tury, 1957, No. 5, 71-75.

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A.; ZEMLYANAYA, G.P.

Effect of hibernation on intravitam staining of the organs of a frog by neutral red in vivo and in vitro. Nauch.dokl.vys. shkoly;biol.nauki no.4:76-78 '58. (MIRA 11:12)

1. Rekomendovana kafedroy biologii Kirgizskogo zhenskogo pedagogicheskogo instituta imeni V.V.Mayakovskogo.
(HIBERNATION) (STAINS AND STAINING (MICROSCOPY)) (NEUTRAL RED)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A.

A.A. Zavarzin's theory of the parallelism of histological structures [with summary in English]. Izv. AN SSSR.Ser.biol. no.6:690-697 N-D '58 (MIRA 11:11)

1. Kirgizskiy gosudarstvennyy meditsinskiy institut g. Frunze.
(TISSUES)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A., MIKHAYLOV, V.P. (Kirovskiy pr., d.69/71 kv.36, Leningrad)

A.A. Zavarzin's and N.G. Khlopin's theories of tissue evolution and the problem of their creative synthesis. Arkh.anat.gist. i embr. 35 no.3:8-18 My-Je '58 (MIRA 11:7)

1. Meditsinskiy institut, kafedra gistologii, g. Frunze (for Braun).
(HISTOLOGY,
tissue evolution, theories (Rus))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A.; MAGAZANIK, G.L. [deceased] (Leningrad)

Influence of momentary and long-continued paraffin applications on the epidermis and the epithelization of experimental skin wounds. Vop. kur., fizioter. i lech. fiz. kul't. 24 no. 4:349-354 Jl-Ag '59. (MIRA 13:8)

(PARAFFINS--PHYSIOLOGICAL EFFECT)
(SKIN--WOUNDS AND INJURIES)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.

(36)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A.; ZEMLYANAYA, G.P.

Effect of the stimulator of regeneration processes on the epidermis of X-rayed rabbit skin. Nauch. dokl. vys. shkoly; biol. nauki no.1:98-101 '62. (MIRA 15:3)

1. Rekomendovana kafedroy biologii Kirgizskogo zhenskogo pedagogicheskogo instituta im. V.B. Mayakovskogo.
(X RAYS--PHYSIOLOGICAL EFFECT)
(EPIDERMIS)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A. (frunze, Kirgizskaya SSR, ul.Bokombayeva, 144,kv.1)

Histological changes in implants of granulated muscle tissues. Arkh. anat. gist. i embr. 40 no.6:23-30 Je '61. (MIRA 15:2)

1. Kafedra gistologii (zav. - prof. A.A.Braun) Kirgizskogo gosudarstvennogo meditsinskogo instituta, Frunze.
(MUSCLES--TRANSPLANTATION)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, Alexandr; POLACEK, Lev; RUDOSKY, Oleg

Unusual course of porphyria with the clinical picture of subacute anterior poliomyelitis. Acta univ. carol. [med.] 8 no.1:3-11 '62.

1. I. patologickanatomicky ustav fakulty vseobecneho lekarstvi University Karlovy prednosta prof. dr. B.Bednar Neurologicke oddeleni nemocnice v Praze 1, na Frantisku 8, prednosta primar dr. L. Polacek.
(PORPHYRIA) (POLIOMYELITIS)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A., prof.; SHAPIRO, B.M., dotsent

Development of medical science in the Kirghiz S.S.R. Sov. zdrav. Kir. no.4/5:9-19 Jl-O'63 (MIRA 17:1)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A.; TEZEKBAYEV, S.D.

Regeneration of preliminarily irritated tissues. Trudy KirgNOAGE no.2:22-24 '65. (MIRA 18:11)

1. Iz kafedry gistologii (zav. - prof. A.A.Braun) Kirgizskogo gosudarstvennogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A.; LOBANOVA. V.N.

Role of tissue neoformation and intercalary growth in the healing of skin defects. Trudy KirgNOAGE no.2:25-27 '65.

(MIRA 18:11)

1. Iz kafedry gistologii (zav. - prof. A.A.Braun) Kirgizskogo gosudarstvennogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.A.; BISEMBIN, D.D.

Seasonal changes in the microstructure of the thyroid gland in sheep and cows. Trudy KirgNOAGE no.2:88-90 '65.

(MIRA 18:11)

1. Iz kafedry gistologii (zav. - prof. A.A.Braun) i kafedry obshchey khirurgii (zav. - prof. I.K.Akhunbayev) Kirgizskogo gosudarstvennogo meditsinskogo instituta.

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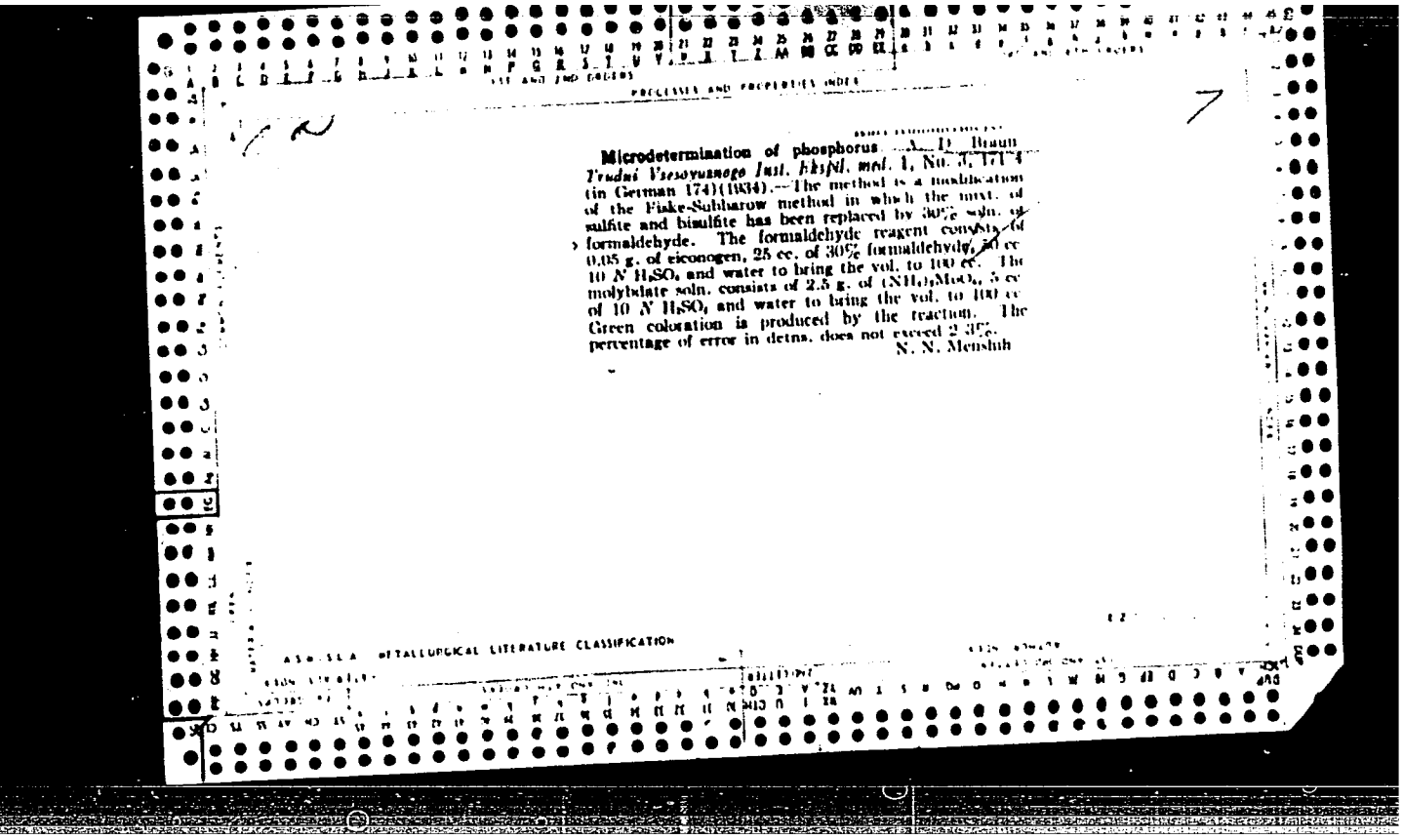

Microdetermination of phosphorus. A. D. Braun. *Trudui Vsesoyuznogo Inst. Eksfil. mat.* 1, No. 3, 171–4 (in German 174) (1934).—The method is a modification of the Fiske-Subbarow method in which the mixt. of sulfite and bisulfite has been replaced by 30% soln. of formaldehyde. The formaldehyde reagent consists of 0.05 g. of eiconogen, 25 cc. of 30% formaldehyde, 10 cc. 10 *N* H_2SO_4 and water to bring the vol. to 100 cc. The molybdate soln. consists of 2.5 g. of $(NH_4)_2MoO_4$, 5 cc. of 10 *N* H_2SO_4 and water to bring the vol. to 100 cc. Green coloration is produced by the reaction. The percentage of error in detns. does not exceed 2.3%.
N. N. Menshih

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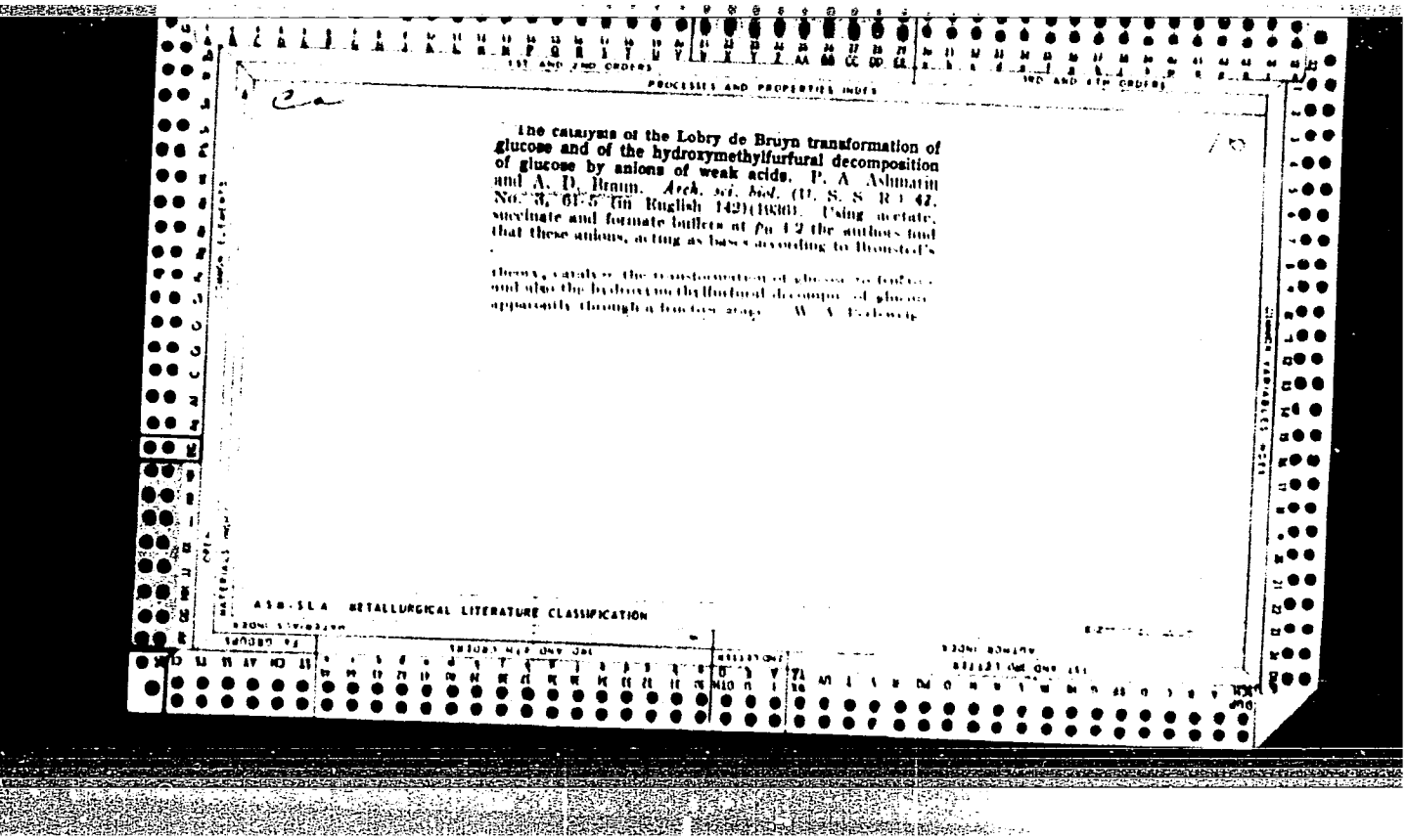

PROCESSES AND PROPERTIES INDEX

The catalysis of the Lobry de Bruyn transformation of glucose and of the hydroxymethylfurfural decomposition of glucose by anions of weak acids. P. A. Ashmarin and A. D. Braun. *Arch. sci. biol.* (U. S. S. R.) 42, No. 3, 61-5 (in English 142)(1936). Using acetate, succinate and formate buffers at *p*H 4.2 the authors find that these anions, acting as bases according to Bronsted's

theory, catalyze the transformation of glucose to fructose and also the hydroxymethylfurfural decomposition of glucose apparently through a fructose stage. W. A. Patrick

A58-51A METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

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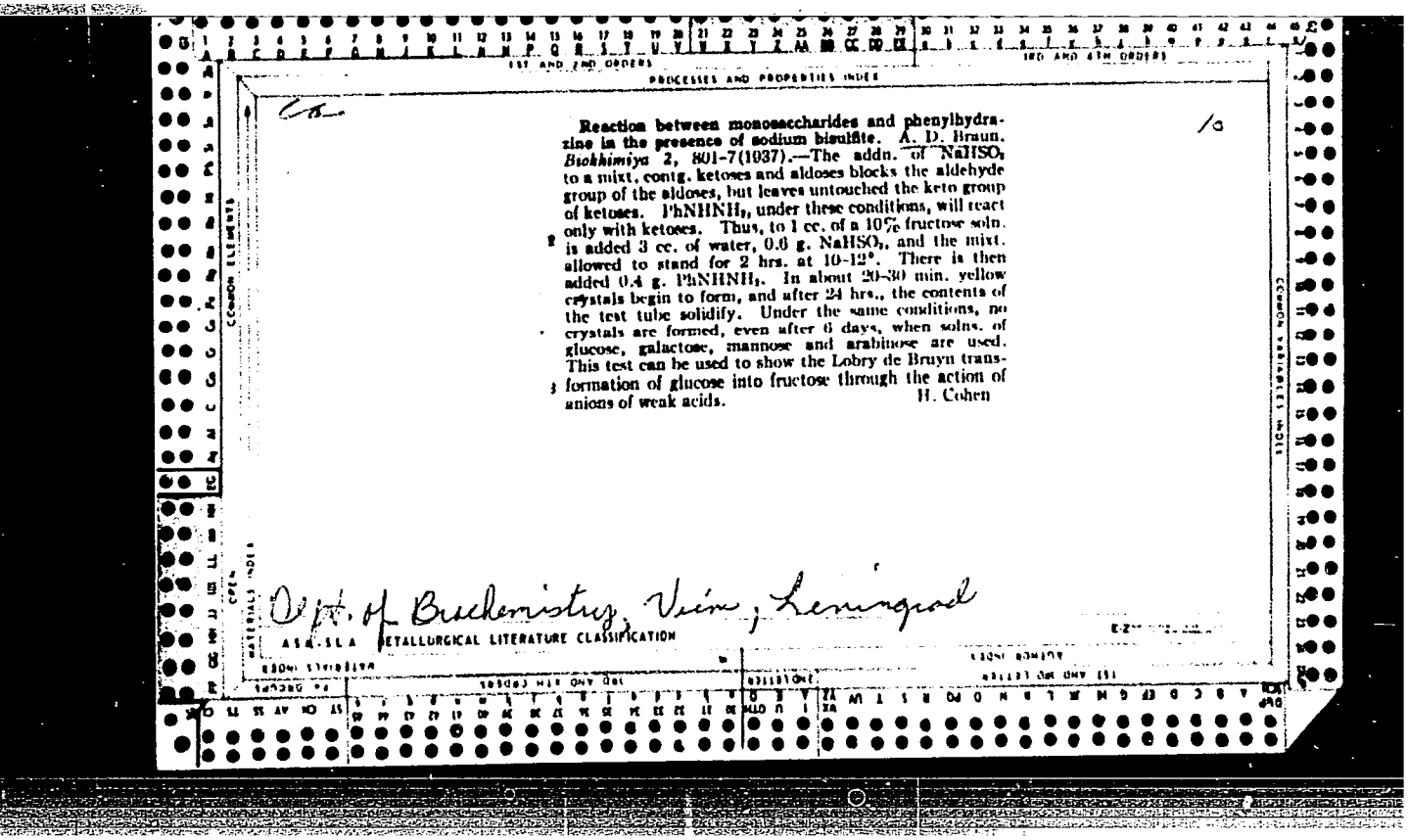

PROCESSES AND PROPERTIES INDEX

Ca

Reaction between monosaccharides and phenylhydrazine in the presence of sodium bisulfite. A. D. Braun. *Biokhimiya* 2, 801–7(1937).—The addn. of $NaHSO_3$ to a mixt. contg. ketoses and aldoses blocks the aldehyde group of the aldoses, but leaves untouched the keto group of ketoses. $PhNHNH_2$, under these conditions, will react only with ketoses. Thus, to 1 cc. of a 10% fructose soln. is added 3 cc. of water, 0.6 g. $NaHSO_3$, and the mixt. allowed to stand for 2 hrs. at 10–12°. There is then added 0.4 g. $PhNHNH_2$. In about 20–30 min. yellow crystals begin to form, and after 24 hrs., the contents of the test tube solidify. Under the same conditions, no crystals are formed, even after 6 days, when solns. of glucose, galactose, mannose and arabinose are used. This test can be used to show the Lobry de Bruyn transformation of glucose into fructose through the action of anions of weak acids. H. Cohen

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Dept. of Biochemistry, Univ., Leningrad

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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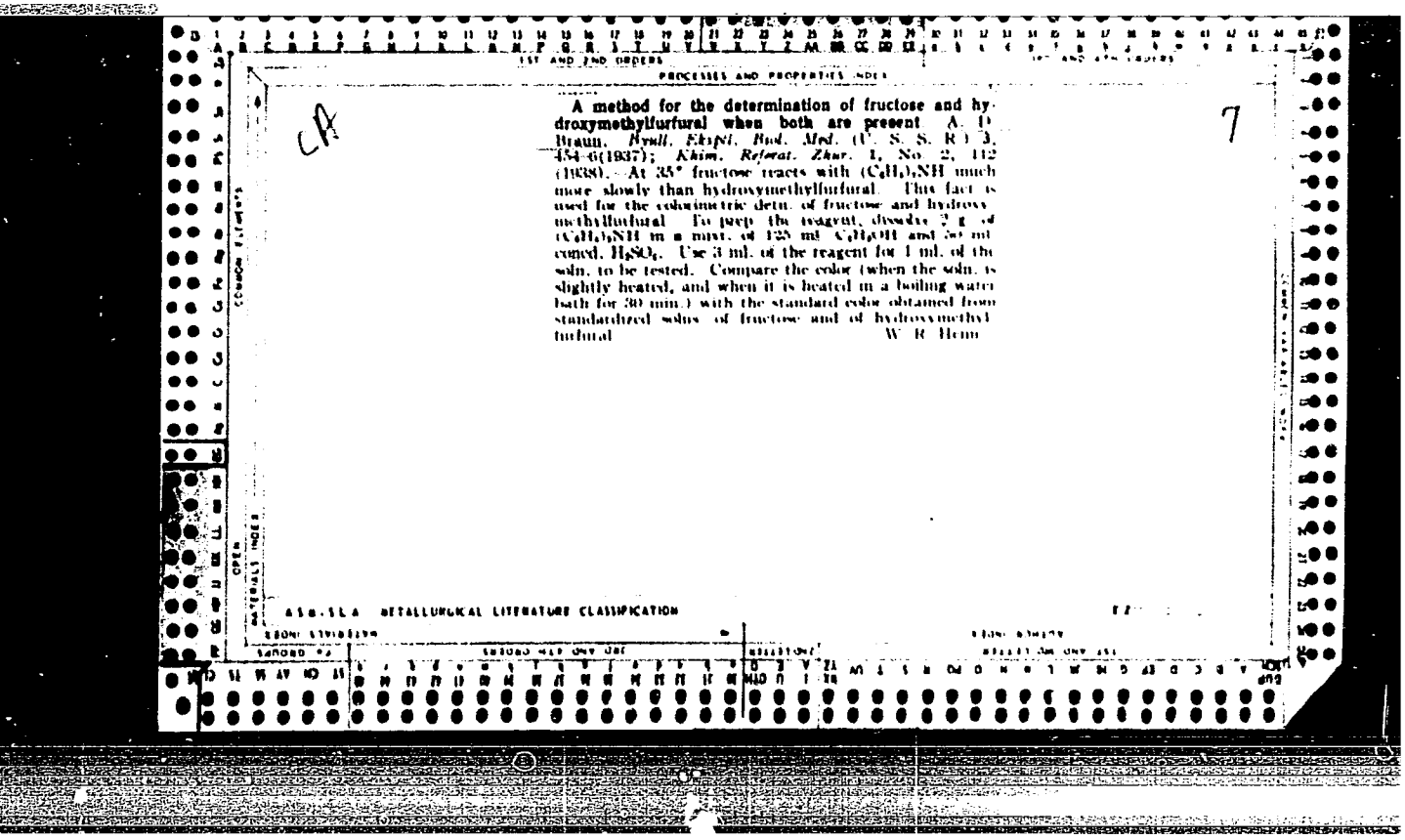

A method for the determination of fructose and hydroxymethylfurfural when both are present. A. P. Braun. *Byull. Eksptl. Biol. Med.* (U. S. S. R.) 3, 454-6(1937); *Khim. Referat. Zhur.* 1, No. 2, 112 (1938). At 35° fructose reacts with $(C_6H_5)_2NH$ much more slowly than hydroxymethylfurfural. This fact is used for the colorimetric detn. of fructose and hydroxymethylfurfural. To prep. the reagent, dissolve 2 g. of $(C_6H_5)_2NH$ in a mixt. of 125 ml. C_2H_5OH and 50 ml. concd. H_2SO_4. Use 3 ml. of the reagent for 1 ml. of the soln. to be tested. Compare the color (when the soln. is slightly heated, and when it is heated in a boiling water bath for 30 min.) with the standard color obtained from standardized solns. of fructose and of hydroxymethylfurfural. W. R. Henn

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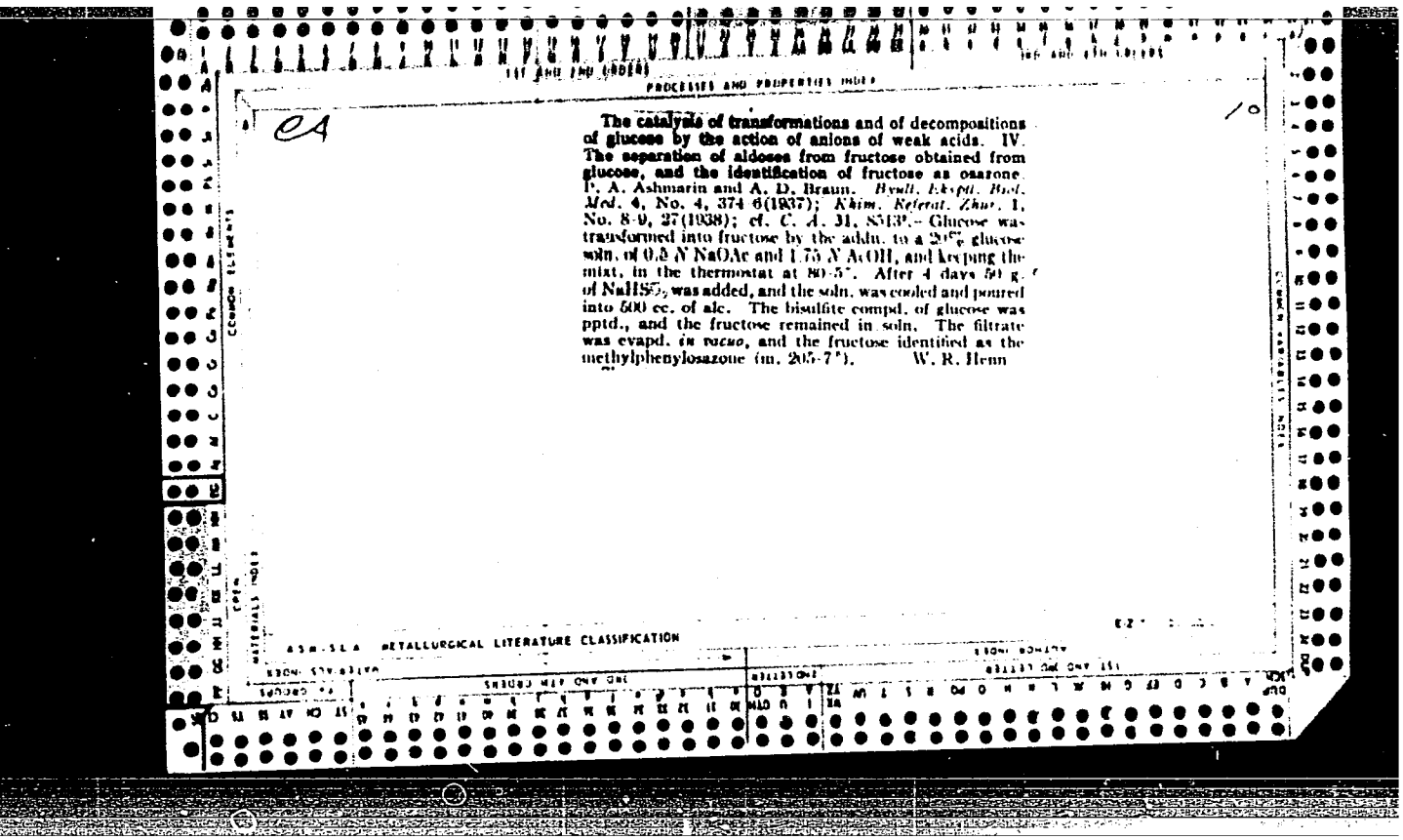

PROCESSES AND PROPERTIES INDEX

CA

10

The catalysis of transformations and of decompositions of glucose by the action of anions of weak acids. IV. The separation of aldoses from fructose obtained from glucose, and the identification of fructose as osazone. P. A. Ashmarin and A. D. Braun. *Byull. Eksptl. Biol. Med.* 4, No. 4, 374-6(1937); *Khim. Referat. Zhur.* 1, No. 8-9, 27(1938); cf. *C. A.* 31, 8513.— Glucose was transformed into fructose by the addn. to a 20% glucose soln. of 0.5 *N* NaOAc and 1.75 *N* AcOH, and keeping the mixt. in the thermostat at 80-5°. After 4 days 50 g. of $NaHSO_3$ was added, and the soln. was cooled and poured into 500 cc. of alc. The bisulfite compd. of glucose was pptd., and the fructose remained in soln. The filtrate was evapd. *in vacuo*, and the fructose identified as the methylphenylosazone (m. 205-7°). W. R. Henn

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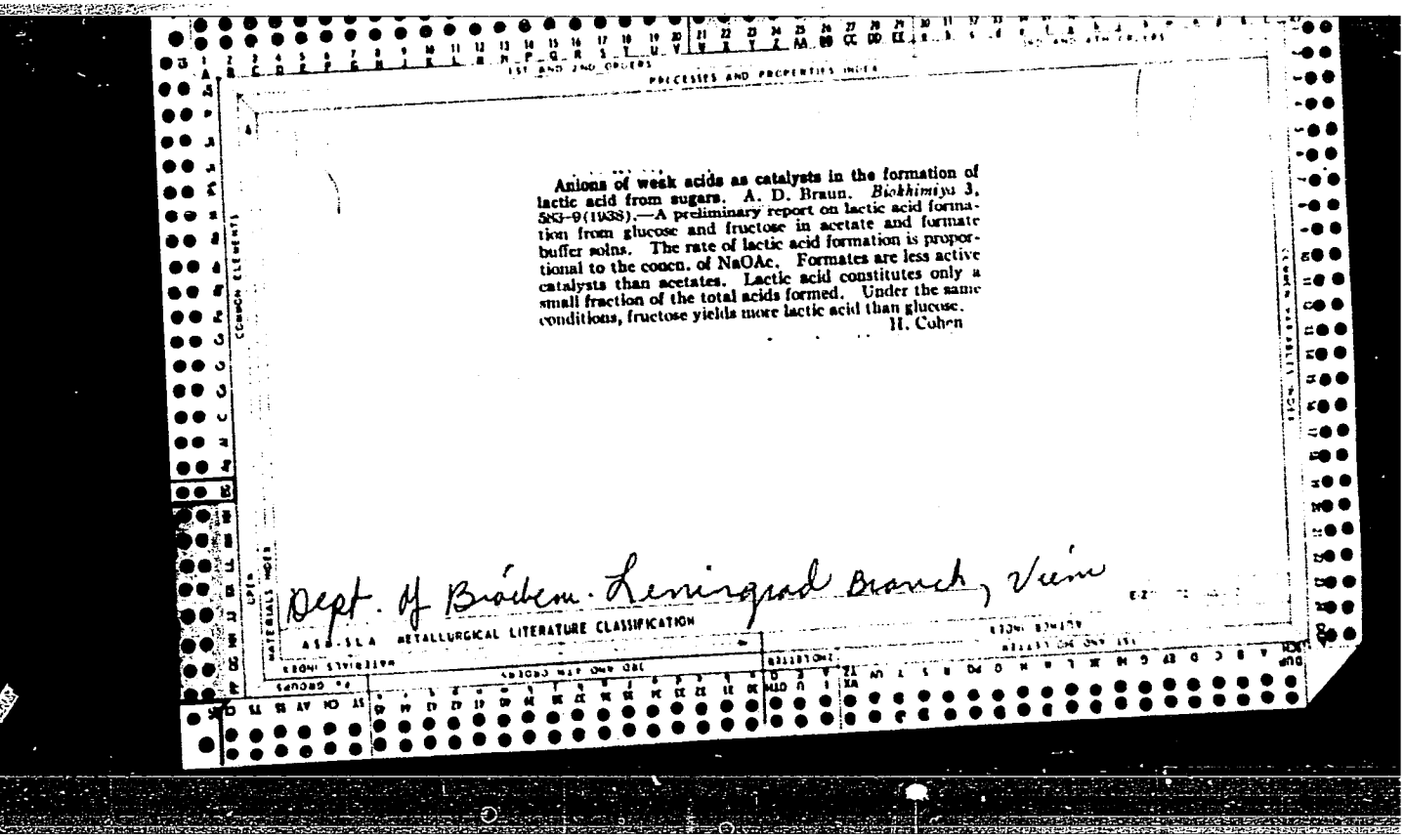

Anions of weak acids as catalysts in the formation of lactic acid from sugars. A. D. Braun. *Biokhimiya* 3, 583–9(1938).—A preliminary report on lactic acid formation from glucose and fructose in acetate and formate buffer solns. The rate of lactic acid formation is proportional to the concn. of NaOAc. Formates are less active catalysts than acetates. Lactic acid constitutes only a small fraction of the total acids formed. Under the same conditions, fructose yields more lactic acid than glucose.
H. Cohen

Dept. of Biochem. Leningrad Branch, Vsesoyuznyi Inst. Eksperimental'noi Med.

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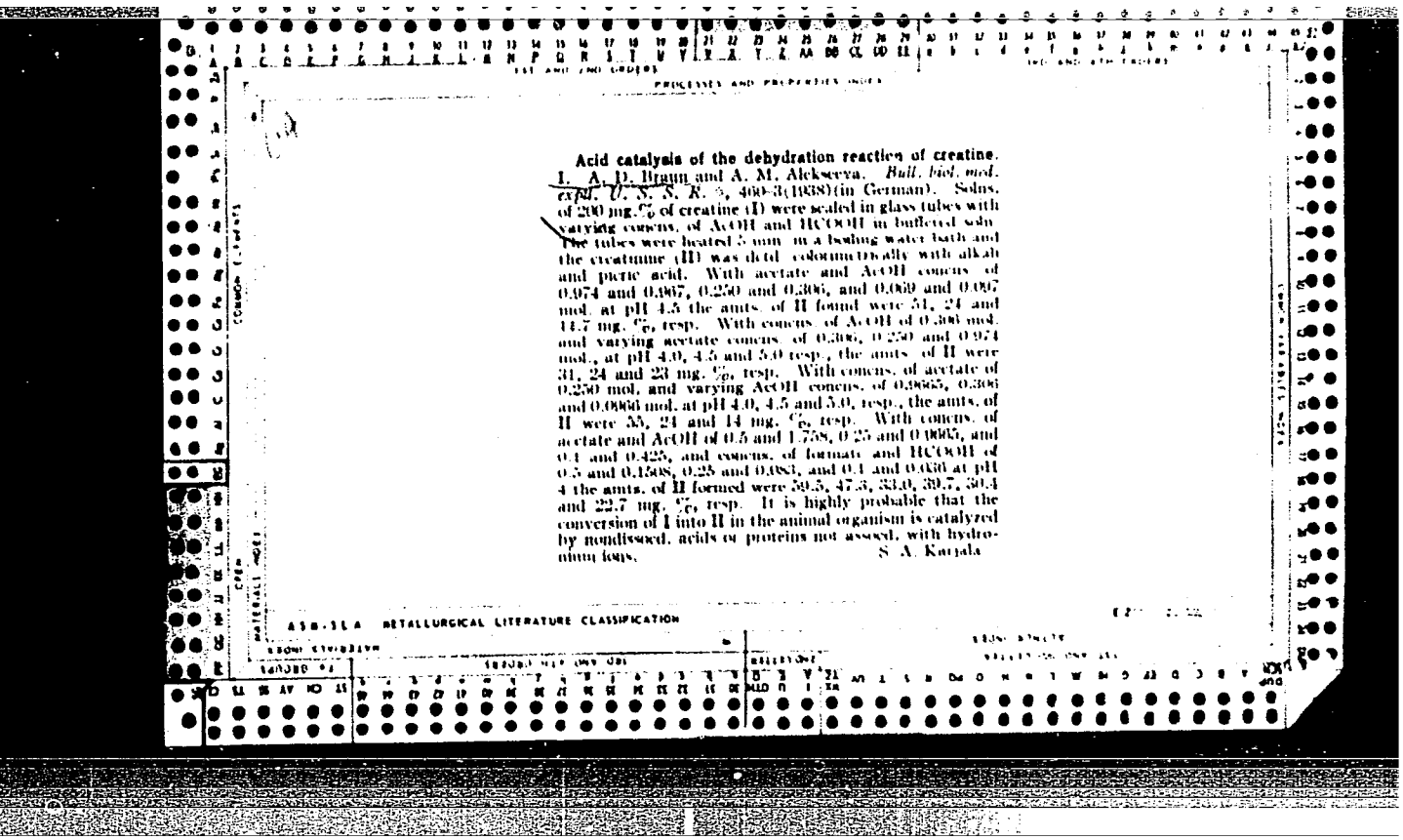

Acid catalysis of the dehydration reaction of creatine. I. A. D. Braun and A. M. Alekseeva. *Bull. biol. med. exptl. U. S. S. R.* 5, 460-3(1938)(in German). Solns. of 200 mg.% of creatine (I) were sealed in glass tubes with varying concns. of AcOH and HCOOH in buffered solns. The tubes were heated 5 min. in a boiling water bath and the creatinine (II) was detd. colorimetrically with alkali and picric acid. With acetate and AcOH concns. of 0.974 and 0.307, 0.250 and 0.306, and 0.069 and 0.097 mol. at pH 4.5 the amts. of II found were 51, 24 and 14.7 mg. %, resp. With concns. of AcOH of 0.306 mol. and varying acetate concns. of 0.306, 0.250 and 0.974 mol., at pH 4.0, 4.5 and 5.0 resp., the amts. of II were 31, 24 and 23 mg. %, resp. With concns. of acetate of 0.250 mol. and varying AcOH concns. of 0.9665, 0.306 and 0.0966 mol. at pH 4.0, 4.5 and 5.0, resp., the amts. of II were 55, 24 and 14 mg. %, resp. With concns. of acetate and AcOH of 0.5 and 1.758, 0.25 and 0.0965, and 0.1 and 0.425, and concns. of formate and HCOOH of 0.5 and 0.1508, 0.25 and 0.0851, and 0.1 and 0.030 at pH 4 the amts. of II formed were 59.5, 47.5, 33.0, 39.7, 30.4 and 22.7 mg. %, resp. It is highly probable that the conversion of I into II in the animal organism is catalyzed by nondissocd. acids or proteins not assocd. with hydronium ions.

S. A. Karjala

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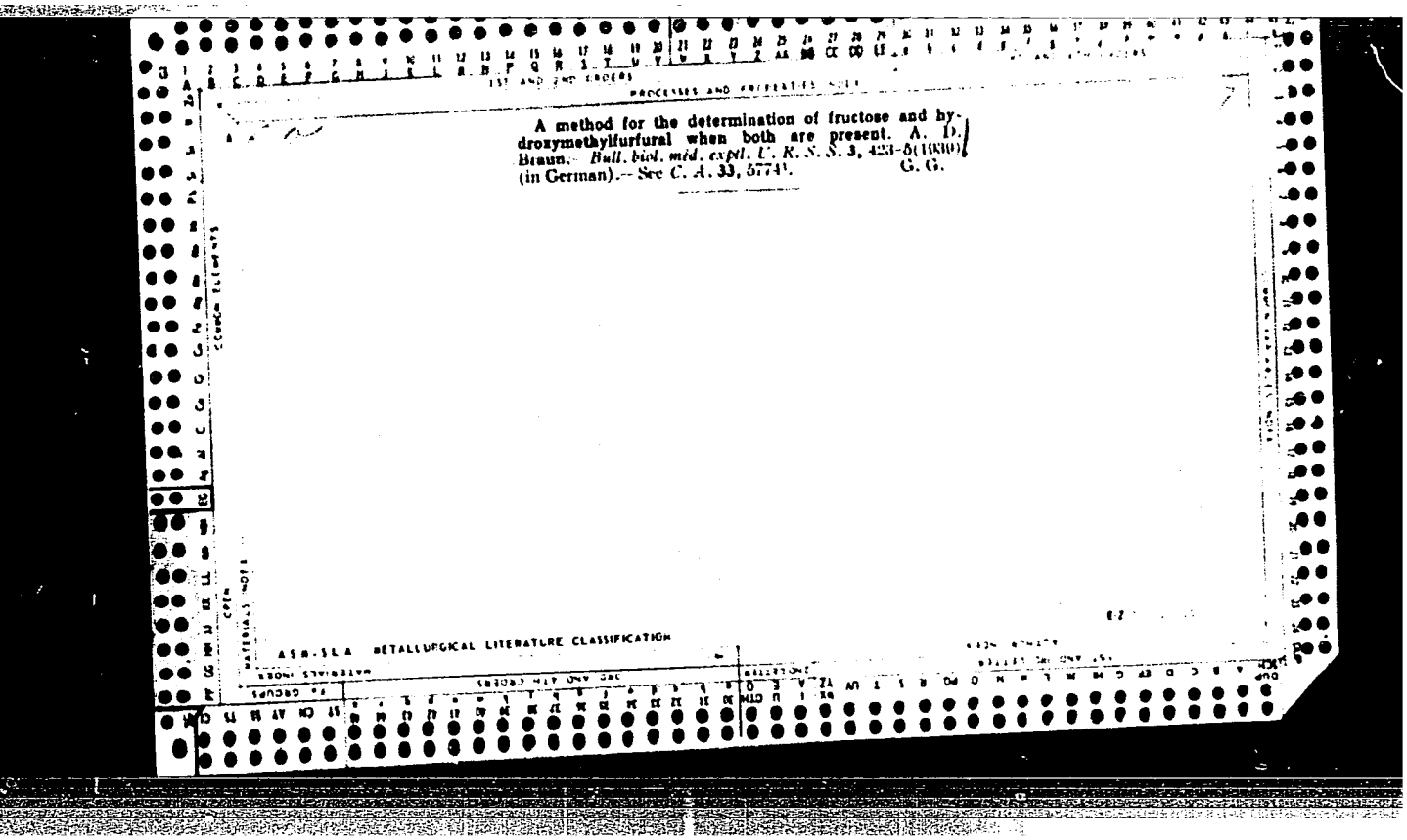

A method for the determination of fructose and hydroxymethylfurfural when both are present. A. D. Braun. *Bull. biol. méd. exptl. U. R. S. S.* 3, 423-5(1937) (in German).—See *C. A.* 33, 5774⁹. G. G.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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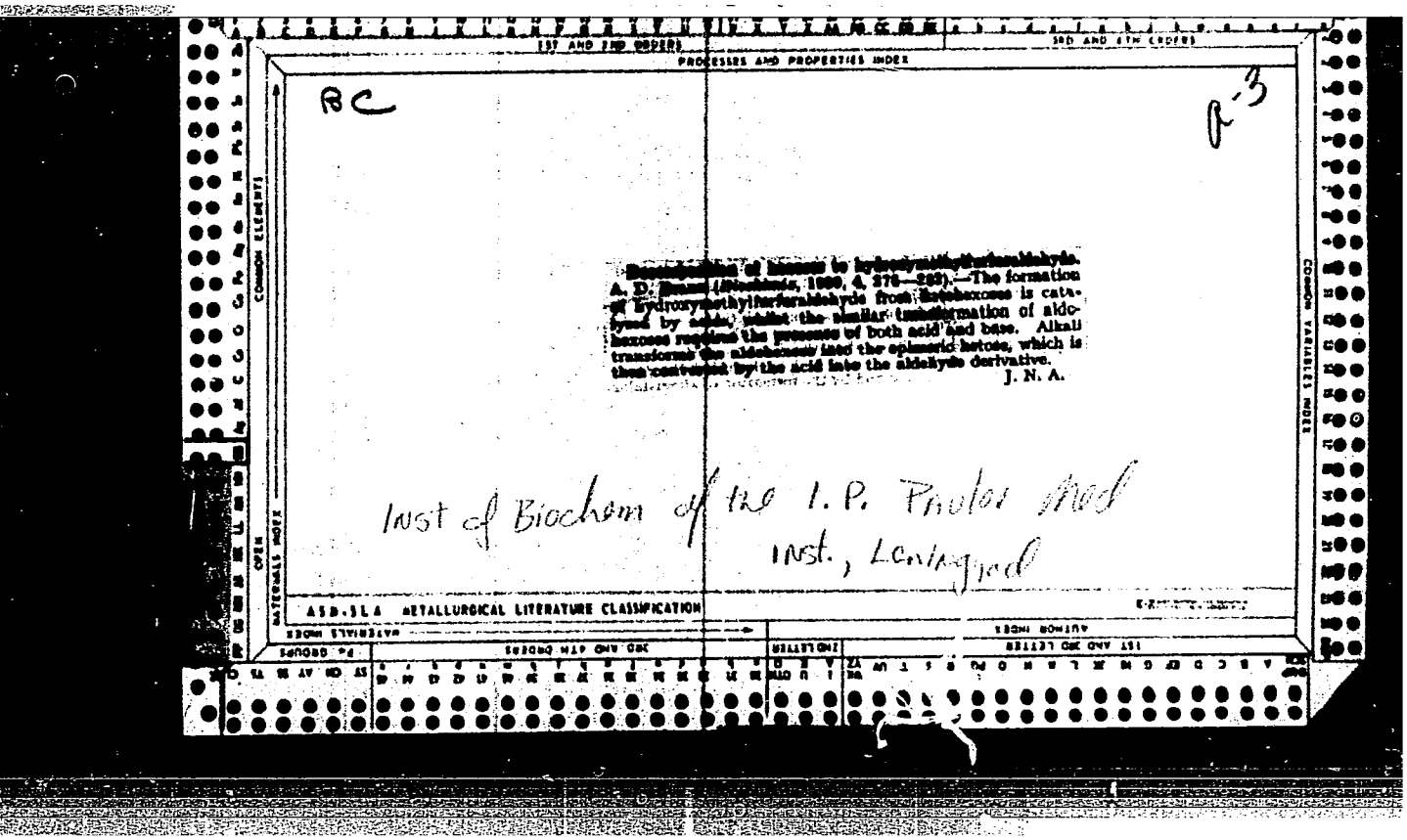

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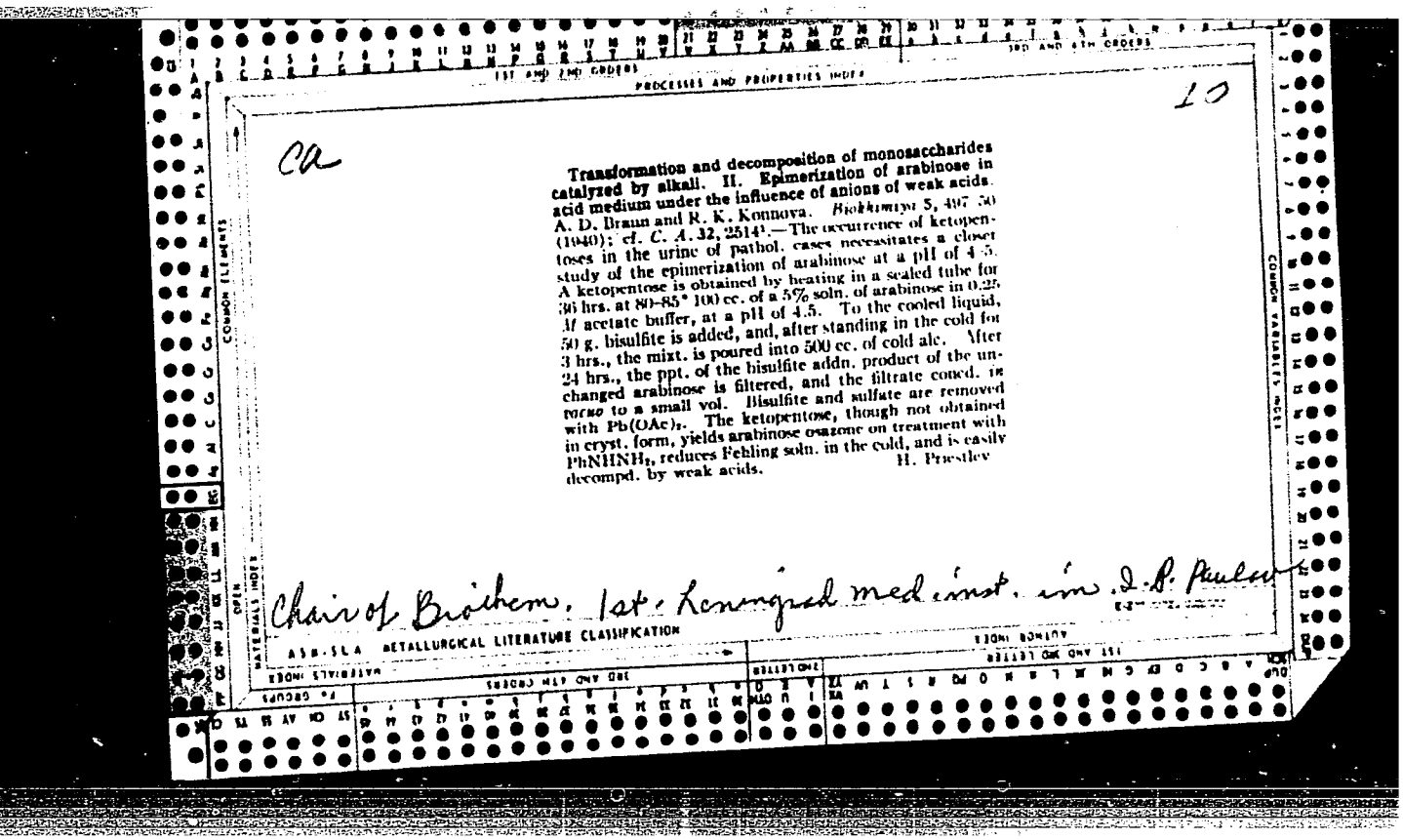

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Ca

Transformation and decomposition of monosaccharides catalyzed by alkali. II. Epimerization of arabinose in acid medium under the influence of anions of weak acids. A. D. Braun and R. K. Konnova. *Biokhimiya* 5, 497–50 (1940); cf. *C. A.* 32, 2514[1].—The occurrence of ketopentoses in the urine of pathol. cases necessitates a closer study of the epimerization of arabinose at a pH of 4–5. A ketopentose is obtained by heating in a sealed tube for 36 hrs. at 80–85° 100 cc. of a 5% soln. of arabinose in 0.2*M* acetate buffer, at a pH of 4.5. To the cooled liquid, 50 g. bisulfite is added, and, after standing in the cold for 3 hrs., the mixt. is poured into 500 cc. of cold alc. After 24 hrs., the ppt. of the bisulfite addn. product of the unchanged arabinose is filtered, and the filtrate concd. *in vacuo* to a small vol. Bisulfite and sulfate are removed with $Pb(OAc)_2$. The ketopentose, though not obtained in cryst. form, yields arabinose osazone on treatment with $PhNHNH_2$, reduces Fehling soln. in the cold, and is easily decompd. by weak acids. H. Priestley

Chair of Biothem. 1st. Leningrad med. inst. im. I. P. Pavlov

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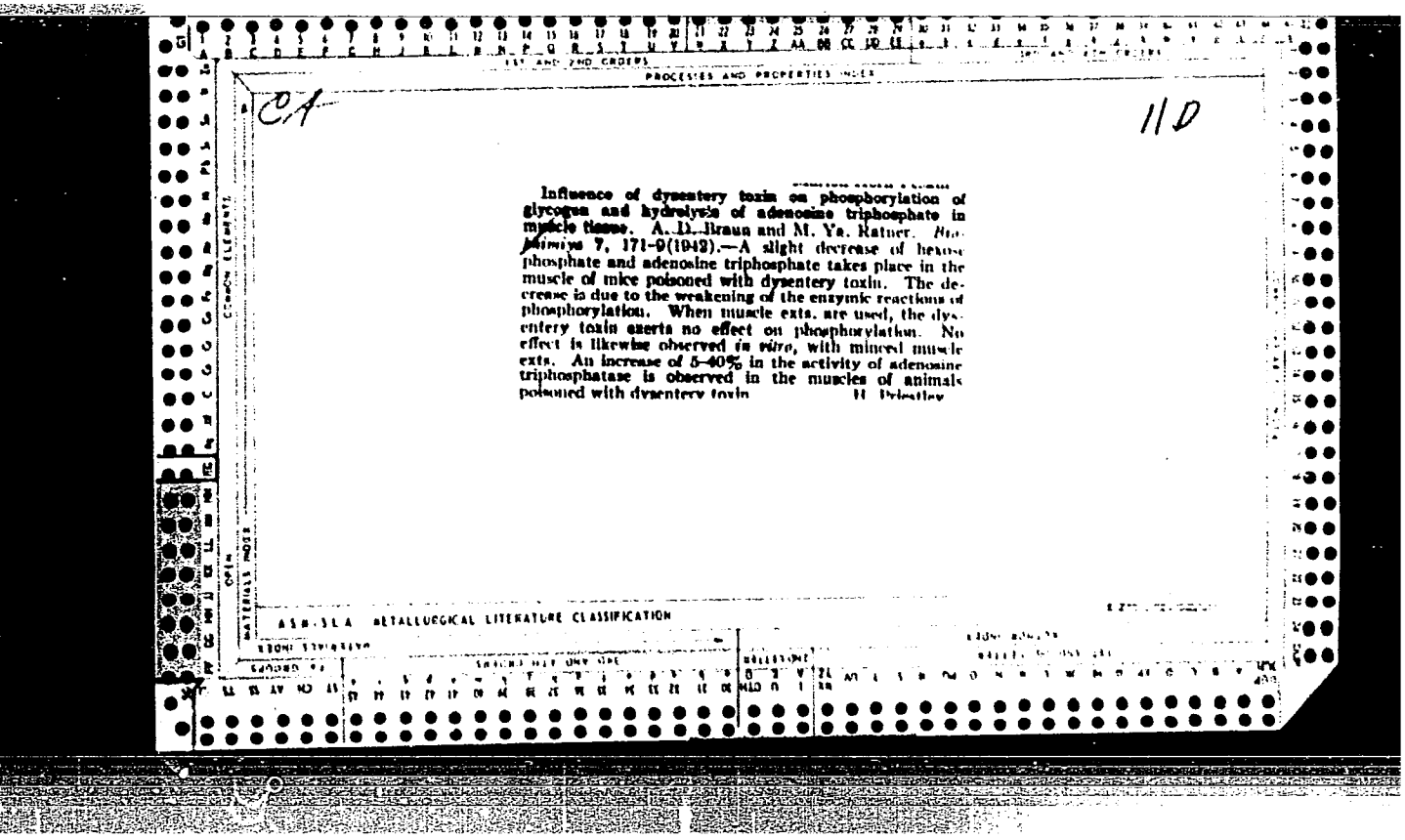

CA

11D

Influence of dysentery toxin on phosphorylation of glycogen and hydrolysis of adenosine triphosphate in muscle tissue. A. D. Braun and M. Ya. Ratner. *Biokhimiya* 7, 171-9(1942).—A slight decrease of hexose phosphate and adenosine triphosphate takes place in the muscle of mice poisoned with dysentery toxin. The decrease is due to the weakening of the enzymic reactions of phosphorylation. When muscle exts. are used, the dysentery toxin exerts no effect on phosphorylation. No effect is likewise observed *in vitro*, with minced muscle exts. An increase of 5–40% in the activity of adenosine triphosphatase is observed in the muscles of animals poisoned with dysentery toxin. H. Dvinstov

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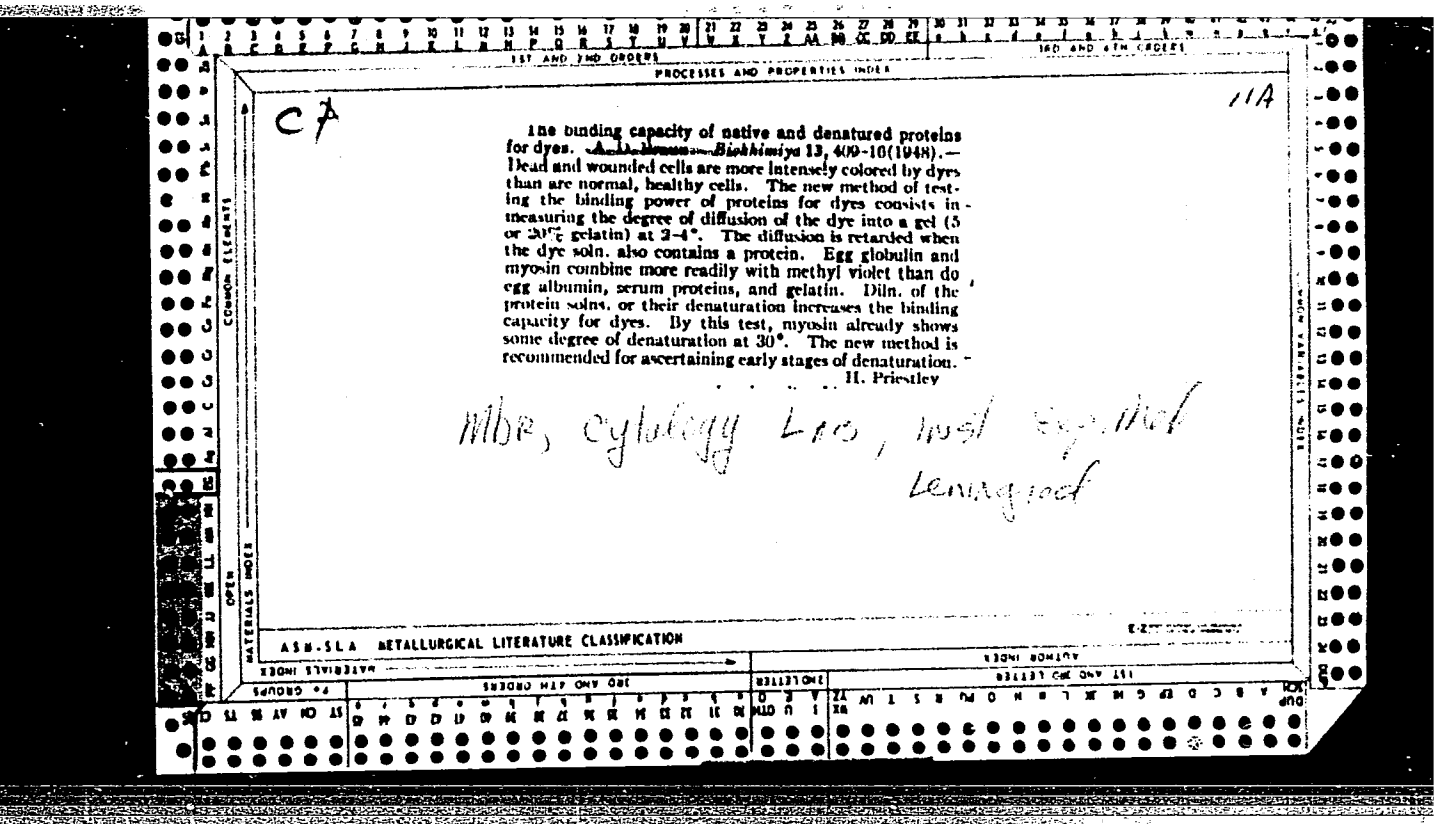

PROCESSES AND PROPERTIES INDEX

C A

11A

The binding capacity of native and denatured proteins for dyes. [illegible] *Biokhimiya* 13, 409-10(1948).— Dead and wounded cells are more intensely colored by dyes than are normal, healthy cells. The new method of testing the binding power of proteins for dyes consists in measuring the degree of diffusion of the dye into a gel (5 or 20% gelatin) at 2-4°. The diffusion is retarded when the dye soln. also contains a protein. Egg globulin and myosin combine more readily with methyl violet than do egg albumin, serum proteins, and gelatin. Dilu. of the protein solns. or their denaturation increases the binding capacity for dyes. By this test, myosin already shows some degree of denaturation at 30°. The new method is recommended for ascertaining early stages of denaturation. H. Priestley

MBR, Cytology Lab, Inst Exp Med Leningrad

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BRAUN, A. D. PA 36/49T6

USSR/Chemistry - Dyes Sep 48
Chemistry - Myosin

"Bonding of Dyes by Native and Denatured Myosin Fibers," A. D. Braun, Lab of Cytol, Inst Experimental Med, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LXII, No 2

Established influence of denaturing on bonding of dyes by native and denatured myosin fibers. Discusses ability of myosin to secure denatured fibers to triphenylmethane dyes. Describes methods of obtaining fibers of equal width and length. Submitted by Acad L. A. Orbeli, 17 Jul 48.

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CA

11B

Toxicity of dyes and their binding by natural proteins. A. D. Braun and N. L. Fel'dman. *Doklady Akad. Nauk S.S.S.R.* **68**, 757-60(1949); cf. *C.A.* **43**, 1073g.—Detn. of the threshold of sensitivity of frog muscle after immersion in aq. solns. of a variety of dyes in comparison with the binding of the dyes by myosin (detd. by diffusion of the free dye into gelatin from its mixt. with the protein, according to Braun (*C.A.* **43**, 1073g) showed a close correspondence between the 2 properties. In Ph_3CH series toxicity declines from malachite green to crystal violet and further to fuchsin, which corresponds to the protein-binding power. In oxazine dye group, the order is: Nile blue hydrochloride, followed by the sulfate, followed by cresol blue. In azine dyes the order is: Tannin heliotrope, safranine, neutral red, while the thiazines are arranged: methylene blue, toluidine blue, and in the xanthene series the order is: Irisamine, pyronine, rhodamine; the latter compd. is exceptional in that with lowest toxicity it is the most readily absorbed member of the series. The binding by proteins is not limited to myosin, but occurs similarly with egg globulin and egg mucin. Generally, increase of no. of Ph groups increases toxicity and protein binding. G. M. Kosolapoff

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BRAUN, A. D.

Braun, A. D., Savost'ianova, M. V. and Morozova, R. I. The spectro-photometric study of decolorization of tri - phenyl - methane dyes in an alkaline medium and in the presence of albumen. Pages 536 - 541.

SO: Bulletin of the Academy of Sciences, Izvestia, (USSR) Vol. 14, No. 4. (1950) Series on Physics.

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BRAUN, A. D.

USSR.

Rapid method for determination of urinary creatine. A. D. Braun (Inst. Obstet. and Gynecol., Acad. Med. Sci. U.S.S.R., Leningrad). *Bull. Eksptl. Biol. i Med.* 38, No. 10, 73–6(1954).—Addn. of concd. HCl reduces the time necessary for conversion of creatine to creatinine to 2.5–3 min., 7 min. less than the time required when an autoclave is used. Strict adherence to given instructions must be observed if errors are to be avoided. Reagents: 12.5% NaOH, concd. HCl, not less than 37% (11.5–12*N*), satd. picric acid soln. which is prepd. by dissolving 14–15 g. in 1000 cc. hot water (70–80°), filtering, and preserving in dark bottle. Only the clear supernatant fluid is to be used. Technique: 3 tubes marked creatine (I), creatinine (II), and control (III) are used. I receives 0.2 cc. HCl, 2.0 cc. H_2O, and 0.2 cc. urine, II 0.2 cc. HCl and 0.2 cc. urine, III 0.2 cc. HCl. All 3 tubes are heated for 3 min. in a boiling water bath and cooled. I receives 0.6 cc. satd. picric acid soln. and 1 cc. NaOH, II 2 cc. water, 0.6 cc. of picric acid, and 1 cc. NaOH, III 2.2 cc. water, 0.6 cc. picric acid, and 1 cc. NaOH. After 8–10 min., 6 cc. of water is added to each tube and the colors read in photocolorimeter. Thorough mixing after each addn. is essential; laxity will introduce a considerable error. The 3-min. boiling time must not be exceeded, otherwise the liquid may become dark brown on account of concd. HCl and prove unsuitable for photocolorimetric reading.

A. S. Mirkin

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BRAUN, A.D

ANDRIYASHEVA, N.M.; BAKKAL, T.P.; BEKKER, S.M.; BOGDANOV-BEREZOVSKIY, V.V.; BRAUN, A.D.; VASILEVSKAYA, N.L.; GANUSENKO, M.N.; GARMASHEVA, N.L.; DEMICHEV, I.P.; DRIZGALOVICH, S.Ye.; KALININA, N.A.; KORSAKOVA, G.F.; KRYZHANOVSKAYA, Ye.F.; MIROVICH, N.I.; PROROKOVA, V.K.; PUGOVISHNIKOVA, M.A.; RESHETOVA, L.A.; SVETLOV, P.G.; UTEGENOVA, K.D.; KHECHINASHVILI, G.G.; SHVANG, L.I.; GARMASHEVA, N.L., professor, redaktor; RUDAKOV, A.V., redaktor; RULEVA, M.S., tekhnicheskiy redaktor.

[Reflex actions in mother-fetus interrelations] Reflektornye reaktsii vo vzaimootnosheniiakh materinskogo organizma i ploda. [Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe otd-nie, 1954. 266 p.(MLRA 7:10)
(Pregnancy) (Embryology)

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BRAUN, A.D.

Adenosinetriphosphatase of the uterus. A. D. Braun and N. I. Mirovich. *Voprosy Med. Khim.* 1, No. 1, 48–53(1955); *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 16237.—The adenosinetriphosphatase (I) of the uterus of rabbits and rats can be extd. nearly 100% with H_2O from ground uterus tissue. This characteristic sharply differentiates the uterus from the skeletal tissue. I activity is the same over a wide range of pH(4.0–10.0). The uterine tissue exts. split off 2 phosphate groups from adenosinetriphosphate. There remains in the muscles of its uterus, even 24 hrs. after death, 80% of the original I activity. Mg^{++} and cysteine enhance the activity of I of the uterus. One full hr. at 55° is required for the complete inactivation of I of the uterus. It is concluded that the amt. of proteins in the muscles of the uterus, which are similar to myosin and actomysin of the skeletal muscles, is not significant. During pregnancy I of the uterus is reduced by 30–40%. I of the uterus varies with different animal species. In rats I of the uterus is higher than in their skeletal muscles, while in rabbits the quant. relation of the I of the uterus and of the skeletal muscles is reversed. B. S. Levine

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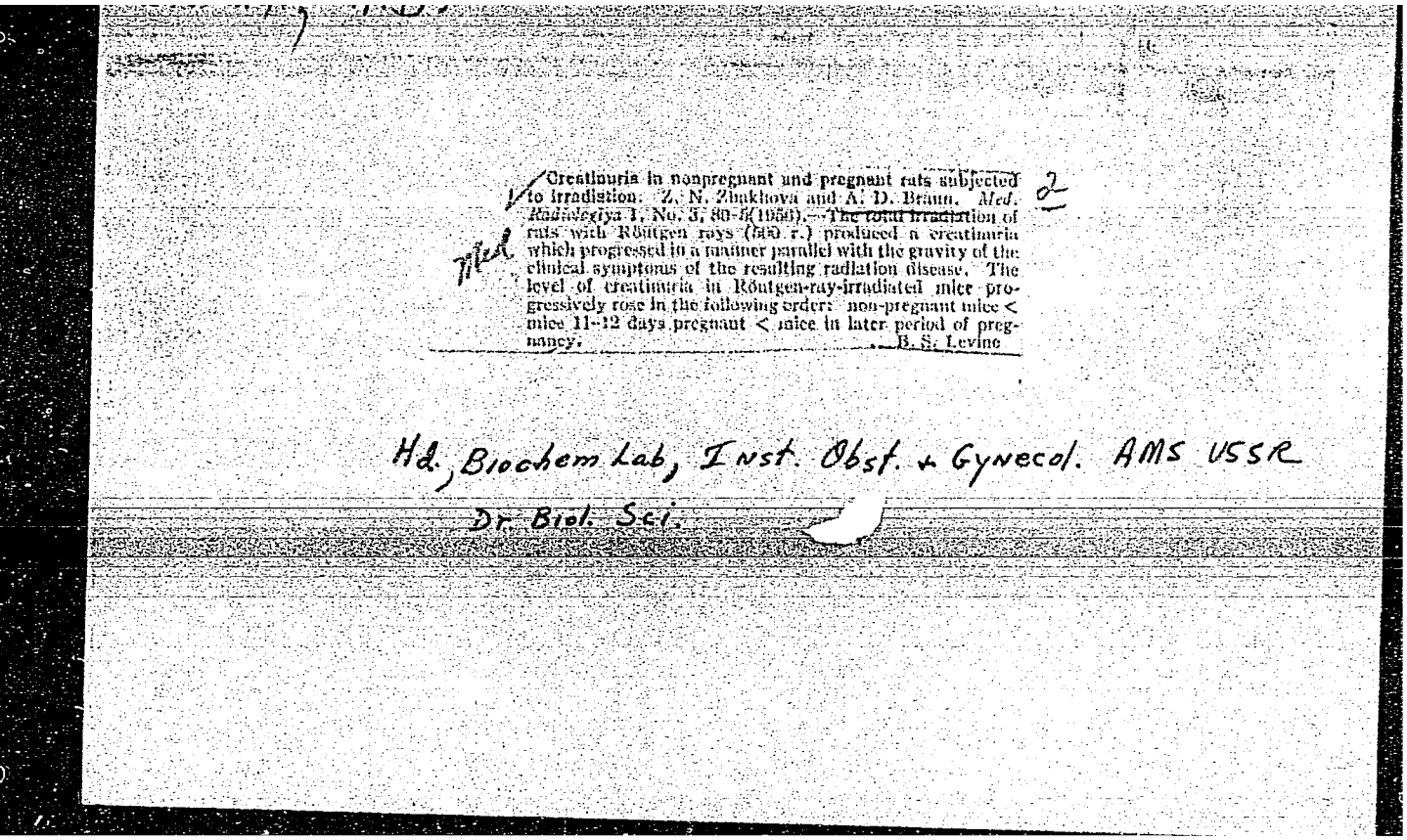

Creatinuria in nonpregnant and pregnant rats subjected to irradiation. Z. N. Zhukhova and A. D. Braun. *Med. Radiologiya* 1, No. 3, 80-5(1956).—The total irradiation of rats with Röntgen rays (850 r.) produced a creatinuria which progressed in a manner parallel with the gravity of the clinical symptoms of the resulting radiation disease. The level of creatinuria in Röntgen-ray-irradiated mice progressively rose in the following order: non-pregnant mice < mice 11–12 days pregnant < mice in later period of pregnancy. —B. S. Levine

Hd, Biochem Lab, Inst. Obst. & Gynecol. AMS USSR

Dr Biol. Sci.

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BRAUN, A.D.

"Creatinuria in women post-partum. A. D. Braun, T. A. Akhmeteli, and N. I. Mirovich (Inst. Obstet. and Gynecol., Acad. Med. Sci. U.S.S.R., Leningrad). *Voprosy Med. Khim.* 2, No. 1, 64-8(1956).—Of 104 women observed post-partum, 70 showed creatinuria; this was tabulated by age, parity, and duration of labor. The authors conclude that it is an indicator of disturbed metabolism.
Cyrus C. Sturgis, Jr.

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BRAUN, A.D.; MIROVICH, N.I.

Contractile proteins of the myometrium. Vop.med. khim. 2 no.3: 188-197 My-Je '56. (MLRA 9:10)

1. Laboratoriya biokhimii Instituta akusherstva i ginekologii AMN SSSR, Leningrad.

(MUSCLE PROTEINS,
hysteromyosin in uterus (Rus))
(UTERUS, metabolism,
hysteromyosin (Rus))

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Country : USSR
Category : Human and Animal Physiology, Physical Factors T

Abs. Jour. : Ref Zhur Biol, No. 2, 1959, No. 8589

Author : Zhakhova Z.N.; Braun A.D.
Institut. : --
Title : Creatinuria in Pregnant and Nonpregnant Rats After Exposure to Penetrating Radiation.

Orig Pub. : Tr. Vses. konferentsii po med. radiol. Klinika i terapiya luchevoy bolesni. M., Medgiz, 1957, 47-51.

Abstract : In rats maintained on a creatine-free diet, increased creatinuria was noted one day after total irradiation with 500 r and attained a maximal value (approximately five times greater than the control level) on the second day, increasing in pace with the severity of the clinical symptoms of radiation sickness. Among rats irradiated with the same dose on the 19th day of pregnancy, creatinuria was considerably greater than among those irradiated on the 11th or 12 day of pregnancy and higher, too, than that seen in nonpregnant rats. An especially

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Country :USSR
Category :Human and Animal Physiology, Physical Factors T

Abs. Jour. :Ref Zhur Biol, No. 2, 1959, No. 8589

Author :
Institut. :
Title :

Orig. Pub. :

Abstract :abrupt rise in creatinuria was noted among rats irradiated while giving birth. The authors consider the level of creatine exretion as an index of the radiosensitivity of an organism.
--E.B.Glikson

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Braun, A.D.

PUNCHENOK, N.A., BRAUN, A.D.

Creatinuria in the newborn [with summary in English]. Vop.med. khim. 4 no.1:50-58 Ja-F'58 (MIRA 11:5)

1. Otdelniye novorozhdennykh i biokhimicheskaya laboratoriya Instituta akushertsva i ginekologii AMN SSSR, Leningrad.
(CREATINE, in urine
in newborn, dterm. (Rus))
(INFANT, NEWBORN,
creatine metab. & excretion (Rus))

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.D., NEMCHINSKAYA, V.L.

Interaction of adenosinetriphosphate with dyes [with summary in English]
Biokhimiia 23 no.3:359-365 My-Je '58 (MIRA 11:8)

1. Laboratoriya tsitokhimii Instituta tsitologii AN SSSR, Leningrad.
(ADENYLPYROPHOSPHATE,
interaction with dyes (Rus))
(DYES, STAINS AND STAINING,
interaction with ATP (Rus))

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.D.; FIZHENKO, N.V.

Alteration of frog erythrocytes induced by adenosine triphosphate and sodium pyrophosphate. TSitologiia 2 no.6:717-723 N-D '60. (MIRA 13:12)

1. Laboratoriya biokhimii kletki Instituta tsitologii AN SSSR, Leningrad.

(ERYTHROCYTES) (ADENOSINE TRIPHOSPHATE) (SODIUM PYROPHOSPHATES)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A. B., GAMELIYA, L. SH. (USSR)

"Combined Structural and Chemical Basis for the Increased Resistance of Stretched Muscle to Injurious Agencies."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow, 10-16 Aug 1961

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

PUNCHENOK, N.A.; BRAUN, A.D.

Saturation of the blood with oxygen and excretion of creatine in premature infants. Vop. okhr. mat. i det. 6 no. 1:6-10 Ja '61. (MIRA 14:4)

1. Iz otdeleniya novorozhdennykh Instituta akusherstva i ginekologii AMN SSSR (nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. A.F. Tur) i laboratorii tsitokhimii Instituta tsitologii AN SSSR (zav. - doktor biologicheskikh nauk A.D. Braun).

(INFANTS (PREMATURE)) (BLOOD—OXYGEN CONTENT)
(CREATINE)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A. D., NENCHINSKAYA, V. L., and SOKOLOVA, V. I., (USSR)

"Release of Proteins Amino Acids and Carnosine from Resting and Excited Skeletal Muscles (read by title)."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.D.; NEMCHINSKAYA, V.L.

"Biochemical cytology" by J.Brachet. Reviewed by A.D.Braun, V.L.Nemchinskaia. TSitologiia 3 no.3:362-366 My-Je '61. (MIRA 14:6)

(CYTOLOGY) (BIOCHEMISTRY) (BRACHET, J.)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

FRAUN, A.D.

Great son of the Russian people; the 250th anniversary of his birth of M.V.Lomonosov. TSitologiia 3 no.5:505-513 S-O '61.

(LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765) (MIRA 14:10)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

NEMCHINSKAYA, V.L.; BRAUN, A.D.

Changes in the characteristics of isolated cell nuclei in the course of survival and during the action of stimuli. TSitologiia 4 no.4:409-417 Jl-Ag '62. (MIRA 15:9)

1. Laboratoriya biokhimii kletki Instituta tsitologii AN SSSR, Leningrad.

(CELL NUCLEI)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A. D. and NEMCHINSKAYA, V.L.

"Change in the Properties of Isolated Cell Nuclei of the Thymus Gland outside the Body and under the Influence of Stimuli." pp. 6

Institute of Cytology AS USSR Laboratory of Cell Biochemistry

II Nauchnaya Konferentsiya Instituta Tsitologii AN SSSR. Tezisy Dokladov (Second Scientific Conference of the Institute of Cytology of the Academy of Sciences USSR, Abstracts of Reports), Leningrad, 1962 88 pp.

JPRS 20,634

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A. D. and FIZHENKO, N. V.

"Resistance of Erythrocytes and Their Proteins to the Effect of Heat and Some Other Denaturants in Frogs." pp. 7

Institute of Cytology AS USSR Laboratory of Cell Biochemistry

II Nauchnaya Konferentsuya Instituta Tsitologii AN USSR. Tezisy Dokladov (Second Scientific Conference of the Institute of Cytology of the Academy of Sciences USSR, Abstracts of Reports), Leningrad, 1962 88 pp.

JPRS 20,634

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A. D.; NESVETAYEVA, N. M.; FIZHENKO, N. V.

"The relation between denaturation capacity of proteins and resistance of cells and tissues to damage."

UNESCO - International Symposium on the Role of Cell Reactions in Adaptations of Metazoa to Environmental Temperature.

Leningrad, USSR, 31 May - 5 June 1963

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, Aleksandr Davydovich, doktor biol. nauk; SOROKO, Ya.I., red.; RAKITIN, I.T., tekhn. red.

[Riddles of irritability] Zagadki razdrazhimosti. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no.13)
(MIRA 16:7)

(IRRITABILITY)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.D.; SOKOLOVA, V.I.

Content of different forms of creatine in the skeletal muscles of frogs during rest and during the action of a hypertonic solution of sodium chloride. Tsitologiia 4 no.6:680-684 N-D'62 (MIRA 17:2)

1. Laboratoriya biokhimii kletki Instituta tsitologii AN SSSR, Leningrad.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.D.

Seminar on cell physiology and biochemistry at the Institute of Cytology of the Academy of Sciences of the U.S.S.R. TSitologiia 5 no.4:479-481 Jl-Ag '63. (MIRA 17:8)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.D.; NESVETAYEVA, N.M.; FIZHENKO, N.V.

Resistance of actomyosin in the myocardium and skeletal muscles to the denaturing effect of heat, ethyl alcohol and urea. TSitologiia 5 no.3:335-338 My-Je '63. (MIRA 17:5)

1. Laboratoriya biokhimii kletki Instituta tsitologii AN SSSR, Leningrad.

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L 00970-66

ACCESSION NR: AR5015894 UR/0299/65/000/009/R027/R027
577.3

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 5R173

AUTHOR: Braun, A.D.; Nesvetayeva, N.M.; Fizhenko, N.V.

TITLE: Connection between the resistance of cells and tissues to injury and the denaturing capacity of proteins

CITED SOURCE: Sb. Kletka i temperatura sredy. M.-L., Nauka, 1964, 228-232

TOPIC TAGS: protein, histology, cell physiology

TRANSLATION: Data are given showing the presence of a positive correlation between the thermostability of organisms and that of proteins secreted by them. It is noted that when the thermostability of the proteins is increased, their resistance to other denaturing agents (alcohol, hydrostatic pressure) also increases.

SUB CODE: LS ENCL: 00

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

NEMCHINSKAYA, V.I.; GANELINA, L.Sh.; BRAUN, A.D.

Possible role of histones in controlling glycolysis in the thymus nuclei. Biokhimiia 30 no.1:53-58 Ja-F '65.

(MIRA 18:6)

1. Laboratoriya biokhimii kletki Instituta tsitologii AN SSSR, Leningrad.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.C.; BUDYCHEV, A.G.; GANELINA, I.Sh.; NEMCHINSKAYA, V.L.; NIKVETAYEVA, N.M.

Effect of injuring factors on intracellular structures.
TSitologiia 7 no.4:494-500 Jl-Ag '65. (MIRA 18:9)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.F.

AUTHOR BRAUN, A.F. 53-3-3/10

TITLE Surface Phenomena in Plastic Deformations of Metals (Poverkhnostnyye yavleniya pri plasticheskoy deformatsii metallov. Russian)

PERIODICAL Uspekhi Fiz.Nauk, 1957, Vol 62, Nr 3, pp 305 - 355 (U.S.S.R.)

ABSTRACT This article is a condensed translation from "Advances in Physics", 1, 427, 1952. The following chapters are translated:

I. Introduction

1.1) inhomogeneous plastic deformation
1.2) relation between stress and deformation

II. Data concerning the deformation of crystals

2.1) investigations of sliding phenomena by means of the electron microscope
2.2) investigations of sliding phenomena by the normal microscope
2.3) explanation of the microstructure of sliding bands
2.4) sudden deformation
2.5) measuring of sliding distances by an interferometer

III. Does the surface state of a metal characterize the volume of deformation ?

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53-3-3/10

Surface Phenomena in Plastic Deformations of Metals

3.1) sliding processes within the metal
3.2) influence exercised by surface treatment on the development of sliding bands on the surface
3.3) micro sliding phenomena
3.4) methods of investigation of the motion within a crystal

IV. Theory explaining the distance between the sliding bands

V. Theory explaining the sliding bands

VI. Influence of the surface state on the mechanic properties of the metal

VII. The nature of sliding bands

VIII. Sliding processes

(With 77 illustrations and 26 Slavic references)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.V. (Karaganda)

Pathological morphology and problems of pathogenesis in glomerulonephritis; experimental study. Arkh.pat. 27 no.7:25-32 '65. (MIRA 18:8)

1. Kafedra patologicheskoy anatomii (zav. - prof. P.P.Ochkur) Kazakhskogo meditsinskogo instituta i kafedra patologicheskoy anatomii (zav. - dotsent Kh.S.Nugmanova) Karagandinskogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, A.V.

Experimental nephritis. Zdrav. kazakh. 21 no.12:34-37 '61.
(MIRA 15:3)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. P.P. Ochkur) Kazakhskogo meditsinskogo instituta i kafedry patologicheskoy anatomii (zav. - dotsent Kh.S. Nugmanova) Karagandinskogo meditsinskogo instituta.
(KIDNEYS—DISEASES)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, Bogdan, mgr inz.

New structural concept of a Dorra clarifier penetrating saturated soil. Inz i bud 21 no.4:141-143 Ap '64.

1. Design Office of Communal Building, Warsaw.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

COUNTRY : GDR
CATEGORY :

G-3

ABS. JOUR. : RZKhim., No. 21 1959, No. 75072

AUTHOR : Giesemann, H. and Braun, D.
INST. : Not given
TITLE : The Reaction of DL-Phenylalanine with N,N-carbonyl-diimidazole

ORIG. PUB. : J prakt Chem, 8, No 1-2, 39-43 (1959)

ABSTRACT : The reaction of DL-phenylalanine (I) with N,N-carbonyldiimidazole (II) instead of the expected phenylalanine-N-carboxy anhydride (III) gives N,N-carbonyldiphenylalanine (IV) and imidazole (V). The structure of IV has been proved by conversion with CH_2N_2 to the dimethyl ester of IV (VI) and by heating with HCl to give 5-benzyl-hydantoin-3-β-phenylpropionic acid. A suspension of 4.9 gms I and 9.67 gms II in 200 ml abs tetrahydrofuran is heated until solution is

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COUNTRY : GDR
CATEGORY : G-3

ABS. JOUR. : RZKhim., No. 21 1959, No. 75072

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : complete (225 min), the solution is filtered, precautions being taken to keep out moisture, and the hydrochloride of V is precipitated with hydrogen chloride in tetrahydrofuran; the filtrate is concentrated, the residue is dissolved in 200 ml 10% NaOH, filtered again, and acidified with 20% HCl with reflux: the yield of IV is 42.4%, decomp temp 184-185°. When a second method for the removal of V is used (distillation of solvent, addition of water at pH 5-9,

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COUNTRY : GDR
CATEGORY : G-3

ABS. JOUR. : RZKhim., No. 21 1959, No. 75072

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : filtration of the emulsion, and acidification), the yield of crude product is 79.9%. 500 gms IV in 20 ml abs CH_3OH are treated for 1 hr with 10 ml of an ether solution of CH_2N_2 (20 mg/ml), the solution is evaporated under vacuum, the residue is dissolved in CH_3OH, and VI, mp 163-164°, is isolated. The hydrolysis of IV with 6 N HCl in a sealed ampule (24 hrs) gives I. Solutions of III and V in tetrahydrofuran on refluxing give poly-D,L-phenylalanine.

A. Yurkevich

CARD: 3/3

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, D.A.

An apparatus for thawing out loose materials frozen in railroad cars. Stal' 7 no.1:77 '47. (MLRA 9:1)
(Thawing) (Loading and unloading)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

18 (3),(5),(6); 25(1) PHASE I BOOK EXPLOITATION SOV/1870

Razygrayev, Aleksandr Matveyevich, and David Anisimovich Braun

Tekhnologiya metallov (Metal Processing) Moscow, Gosstroyizdat, 1958. 322 p. Errata slip inserted. 25,000 copies printed.

Scientific Ed.: Ya. M. Ayzenberg, Engineer; Ed.: V.I. Zakharenko and P.A. Gordeyev; Tech. Ed.: L.Ya. Medvedev and E.M. El'kina.

PURPOSE: This is a textbook on metals and metal processing for students specializing in mechanics at construction tekhnikums. It may also be useful as a manual for machinists working in industry.

COVERAGE: The book consists of five self-contained parts in which are examined various processes having different theoretical foundation but connected by the common properties of metals and based on knowledge acquired by students in courses in chemistry, physics, and engineering mechanics. Information is given on the metallurgy of cast iron, steel, copper, and aluminum, and the structure and properties of metals and alloys are discussed. The book also discusses founding and the forming and cutting of metals and gives information on machine tools.

Card 1/12

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No personalities are mentioned. There are no references.

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PART 1. FUNDAMENTALS OF FERROUS AND NONFERROUS METALLURGY

Ch. I. Raw Materials of Metallurgical Processes and Refractories 8
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2. Ore preparation for smelting 9
3. Fuel 11
4. Fluxes 13
5. Refractories 13

Ch. II. Cast Iron Production 14
6. Blast furnace construction 14
7. Auxiliary equipment for blast furnace 17
8. Blast furnace process 19
9. Products of blast furnace smelting 21

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, D.A., kand.tekhn.nauk

Effect of heat treatment on the strength and wear resistance of excavator parts. Shor.trud.MISI no.26:253-262 '58. (MIRA 12:1)

(Metals--Heat treatment)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, D.A., dotsent, kand.tekhn.nauk; VAYNSON, A.A., kand.tekhn.nauk; DZHUNKOVSKIY, N.N., dotsent; ZIMIN, P.A., kand.tekhn.nauk; VERDNIKOV, G.V., nauchnyy red.; KRYUGER, Yu.V., red.izd-va; EL'KINA, E.M., tekhn.red.

[Manual for building machinery operators] Spravochnik mekhanika po ekspluatatsii stroitel'nykh mashin. Pod red. P.A.Zimina. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 567 p. (MIRA 13:10)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Building machinery--Maintenance and repair)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, D. A., dotsent, kand. tekhn. nauk

Controlling congelation of coals, ores, and ground in strip mining. Sbor. trud. MISI no.39:476-477 '61. (MIRA 16:4)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni V. V. Kuybysheva.

(Strip mining—Cold weather conditions)

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BRAUN, D. A., dotsent, kand. tekhn. nauk

Controlling congelation of coals, ores, and ground in strip mining. Sbor. trud. MISI no.39:476-477 '61. (MIRA 16:4)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni V. V. Kuybysheva.

(Strip mining—Cold weather conditions)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, David Anisim[illegible]; RYB'YEV, I.A., prof., doktor tekhn. nauk, retsenzent; GRINBERG, B.G., prof., retsenzent; KOROVNIKOV, B.D., dots. kand. tekhn. nauk, retsenzent; AVERKIYEV, V.I., dots. kand. tekhn. nauk, retsenzent; BOCHAROVA, Yu.F., red.

[New materials in engineering] Novye materialy v tekhnike. Moskva, Vysshaia shkola, 1965. 194 p. (MIRA 18:10)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, David Anisimovich, dots. kand. tekhn. nauk; KAZYGRAYEV, Aleksandr Matveyevich, inzh.; PESHKOV, Ye.O., retsenzent; KHAYUTIN, G.M., retsenzent; BOCHAROVA, Yu.F., red.

[Technology of metals and structural materials] Tekhnologiia metallov i konstruktsionnye materialy. Moskva, Vysshaia shkola, 1965. 373 p. (MIRA 18:12)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, D.B.

Macromolecular heteroorganic compounds. Usp.khim. 31 no.6: 769-792 Je '62. (MIRA 15:5)
(Organometallic compounds) (Polymerization)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

BRAUN, D.D., student (Moskva)

Course and outcome of pregnancy in appendicitis. Fel'd. i akush. 26 no.11:19-21 N '61. (MIRA 15:2)
(PREGNANCY, COMPLICATIONS OF) (APPENDICITIS)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

FOLDI, Mihaly, dr.; FOLDES, Janos, dr.; SOLTI, Ferenc, dr.; Technikai kozremukodesevel TAKACS, Ferenc; BRAUN, Erzsebet

The mechanism of early thyroxin tachycardia. Orv. hetil. 103 no.11: 492 18 Mr '62.

1. Budapesti Orvostudomanyi Egyetem, I sz Belklinika es a Szegedi Orvostudomanyi Egyetem, II sz. Belklinika.

(TACHYCARDIA etiol) (THYROXIN toxicol)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

SOLTI, Ferenc, dr.; FOLDI, Mihaly, dr.; Technikai munkatars: BRAUN, Erzsebet

Effect of hyason on low-voltage ECG tracings. Orv. hetil. 103 no.15: 681-684 15 Ap '62.

1. Budapesti Orvostudomanyi Egyetem, I Belklinika.

(ELECTROCARDIOGRAPHY pharmacol)
(HYALURONIDASE pharmacol)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

SOLTI, F.; ISKUM, M.; BRAUN, E., technical munkatars

The effect of decrease in circulating blood volume on the blood pressure and venous tone. Kiserl. orvostud. 15 no. 3:300-304 Je '63.

1. Budapesti Orvostudomanyi Egyetem I. sz. Belklinikaja.
(BLOOD VOLUME DETERMINATION) (BLOOD PRESSURE DETERMINATION)
(ISCHEMIA)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

SOLTI, F.; KOMAROMI, I.; SIMONYI, G.; ISKUM, M.; REV, Judit; REFI, Z.
with the technical assistance of BRAUN, E.

Effect of hypoxia on venous pressure in the brain. Acta physiol. acad. sci. hung. 23 no.1:9-12 '63.

1. First Department of Medicine and Department of Neuropathology, Medical University, Budapest.
(CEREBRAL ANOXIA) (BLOOD PRESSURE) (BRAIN)
(SYMPATHOLYTICS)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206810009-5

SOLTI, Ferenc, dr.; REV, Judit, dr.; technikai munkatars: BRAUN, Erzsebet

Changes in sweat excretion in acute kidney diseases. Orv. hetil. 104 no.19:886-887 12 My '63.

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